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1915

MUHLENBERG COLLEGE

OF THE
UNIVERSITY OF ILLINOIS

ALLENTOWN, PENNSYLVANIA

CATALOGUE

1915

CATALOGUE

OF

MUHLENBERG COLLEGE

ALLENTOWN, PA.

FOR THE

FORTY-EIGHTH COLLEGIATE YEAR

1915

ALLENTOWN, PA.
1915

COLLEGE CALENDAR.

1915

Jan. 4 ..... Christmas Vacation ends.
Jan. 19 ..... Semi-annual Board Meeting.
Jan. 25-29 ..... First Term ends; Mid-year Examinations.
Feb. 22 ..... Washington's Birthday.
Apr. 1-12 ..... Easter Recess.
May 17-21 ..... Final Examination of Senior Class.
June 7-12 ..... Examination of lower classes for promotion.
June 9 ..... Annual Board Meeting, at 10.00 a. m.
June 13 ..... Baccalaureate Sermon.
June 14 ..... President's Reception to the Seniors.
June 15 ..... Junior Oratorical Prize Contest, 10 a. m.
June 15 ..... Senior Class Day Exercises, 2 p. m
June 16 ..... Alumni Re-union.
June 17 ..... Commencement and Conferring of Degrees.

SUMMER VACATION

1915-1916

Sept. 16 ..... First Term begins.
Nov. 25-28 ..... Thanksgiving Recess.
Dec. 17 ..... Christmas Vacation begins.

1916

Jan. 3 ..... Christmas Vacation ends.
Jan. 24-28 ..... First Term ends; Mid-year Examinations.
Apr. 21-30 ..... Easter Recess.
June 18-22 ..... Commencement Week.

BOARD OF TRUSTEES.

Term Expires.

1915	Rev. James L. Becker, D.D.	Lansdale.
1917	Theo. C. Birnbaum	Philadelphia.
1915	Reuben J. Butz, Esq.	Allentown.
1917	Oliver M. Clauss	Allentown.
1915	D. D. Fritch, M.D.	Macungie.
1915	Rev. Geo Gebert, D.D.	Tamaqua.
*1917	Rev. E. T. Horn, D.D.,LL.D.	Philadelphia.
1916	Rev. C. M. Jacobs, D.D.	Philadelphia.
1916	Rev. W. D. C. Keiter, D.D.	Allentown.
*1916	Mr. Thos. J. Koch	Allentown.
1917	John Kutz	Reading.
1915	Hon. C. R. Lantz	Lebanon.
1917	Evan B. Lewis, Esq.	Philadelphia.
1916	Mr. Geo. W. March	Norristown.
1916	Mr. James N. Mohr	Philadelphia.
1916	Mr. Chas. F. Mosser	Allentown.
1915	Mr. George K. Mosser	Noxen.
1915	Samuel N. Potteiger	Reading.
1915	Rev. J. Chas. Rausch	Allentown.
*1917	Hon. Chas. A. Schieren	Brooklyn, N. Y.
1917	Rev. T. E. Schmauk, D.D., LL.D.	Lebanon.
1916	Howard S. Seip, D.D.S.	Allentown.
1916	Rev. A. Steimle	Allentown.
1916	Col. Harry C. Trexler	Allentown.
1915	Rev. J. H. Umbenhen, Ph.D.	Pottsville.
1917	Rev. J. H. Waidelich	Sellersville.
1917	R. D. Wenrich, M.D.	Wernersville.
1917	Rev. S. G. Weiskotten, D.D.	Brooklyn, N. Y.
1915	Rev. J. E. Whitteker, D.D.	Lancaster.
1917	Mr. P. H. Wohlsen	Lancaster.
1916	Col. E. M. Young	Allentown.

*Deceased

OFFICERS AND COMMITTEES OF THE BOARD.

REUBEN J. BUTZ, ESQ., *President of the Board.*
REV. W. D. C. KEITER, D.D., *Secretary of the Board.*
OSCAR F. BERNHEIM, *Treasurer and Registrar, Allentown, Pa.*

CENTRAL EXECUTIVE COMMITTEE.

REUBEN J. BUTZ, ESQ., *Chairman.*
REV. W. D. C. KEITER, D.D., *Secretary.*
D. D. FRITCH, M.D.
REV. J. A. W. HAAS, D.D., *Ex-officio.*
REV. J. H. WAIDELICH.
CHAS. F. MOSSER.

REV. J. C. RAUSCH.
HOWARD S. SEIP, D.D.S.
REV. A. STEIMLE.
EDWARD M. YOUNG.
OLIVER M. CLAUSS

EXAMINATION COMMITTEE.

REV. W. D. C. KEITER, D.D. REV. J. C. RAUSCH

FACULTY AND INSTRUCTORS.

REV. JOHN A. W. HAAS, D.D., LL.D.
President's Residence, Campus.

President; Professor of Religion and Philosophy.

A. B., University of Pennsylvania, 1884; A. M., and B.D., University of Pennsylvania, 1887; Graduate Work, University of Leipsic, 1887-88; D.D., Thiel College, 1902; LL.D., University of Pennsylvania, 1914.

GEORGE T. ETTINGER, PH.D.
1114 Hamilton Street.

Dean; Professor of the Latin Language and Literature, and Pedagogy.

A. B., Muhlenberg College, 1880; A. M., Muhlenberg College, 1883; Ph.D., New York University, 1891.

REV. WILLIAM WACKERNAGEL, D.D.
626 Chew Street.

Chaplain; Professor of Modern Languages and Literature.

A. M., Muhlenberg College, 1882; D.D., University of Pennsylvania, 1883.

REV. JOHN A. BAUMAN, PH.D.
399 Turner Street.

Professor of Mathematics and Astronomy.

A. B., Muhlenberg College, 1873; A. M., Muhlenberg College, 1876; Ph.D., Muhlenberg College, 1894.

ROBERT C. HORN, A.M.
37 North Fifteenth Street.

Mosser-Keck Professor of the Greek Language and Literature.

A. B., Muhlenberg College, 1900; A. M., Muhlenberg College, 1903; A. M., Harvard University, 1904; Graduate Work, Johns Hopkins University, 1900-1901; Harvard University, 1903-1904; 1907-1908.

WILLIAM H. REESE, D. Sc.
310 South Seventeenth Street.

Asa Packer Professor Natural and Applied Sciences.

Ph.B., Lafayette College, 1896; M. S., Lafayette College, 1899; Graduate Work. Lafayette College 1897-1902; New York University, 1902-1903; 1908-1909. D. Sc., Muhlenberg College, 1914.

ROBERT R. FRITSCH, A.M.
1232 Turner Street.
Assistant Prof. of German and Religion
A.B., Muhlenberg College, 1900; A.M., Muhlenberg College, 1903; A.M., Illinois Wesleyan University, 1907; Graduate Work, University of Penna., 1910-1913.

HARRY D. BAILEY, A.M.
1734 Chew Street.
Professor of Biology.
A. B., Lafayette College, 1904; A. M., Lafayette College, 1911.

STEPHEN G. SIMPSON, A.M.
26 N. Franklin Street.
Librarian; Assistant Prof. of English.
A. B., Lafayette College, 1896; A. M., Lafayette College, 1899.

JAMES H. S. BOSSARD, A.M.
47 S. Madison Street.
Assistant Prof. of History, Economics and Sociology.
A.B., Muhlenberg College, 1909; A.M., University of Penna., 1911; Graduate Work, University of Penna., 1911-1914.

REV. JOHN D. M. BROWN, A.M.
46 N. Jefferson Street.
Assistant Prof. of English.
A. B., Muhlenberg College, 1906. A.M., Columbia University, 1907.
Mount Airy Theol. Seminary, 1910.
University of Grenoble, Summer 1914.

ALBERT C. H. FASIG, M.S.
131 N. Franklin Street.
Instructor in Chemistry and Physics.
A. B., Muhlenberg College, 1909; M. S., Muhlenberg College, 1910.

HAROLD K. MARKS, A.B.
314 North Franklin Street.
Instructor in Music
A.B., Muhlenberg College, 1907.

JOHN R. KLINE, A. M.
Instructor in Philosophy
A. B., Muhlenberg College, 1912; A. M., University of Pennsylvania, 1914.

GEORGE McCAA
235 South Seventeenth Street.
Instructor in Physical Education.
B. S. in E. M., Lafayette College, 1910.

WILLARD D. KLINE, M.D.
24 North Eighth Street.
Examining Physician.
A. B., Muhlenberg College, 1897; A. M., Muhlenberg College, 1900; M. D. Jefferson Medical College, 1901.

SPECIAL LECTURES

IN 1914

Opening Address

REV. A. STEIMLE, D.D.

"The Age of Leo, the Tenth."

REV. GEORGE S. BUTZ, PH.D.

Muhlenberg '91. Littlestown, Pa.

"Scientific Management in Educational Administration

PROF. HARLAN UPDEGRAFF, PH.D.

University of Pennsylvania, Philadelphia.

"Shakespeare's Land of Romance."

PROF. ASHLEY H. THORNDIKE, PH.D.

Columbia University, New York City

"Causes of the Present European War."

REV. CHARLES M. JACOBS, D.D.

Lutheran Theological Seminary, Philadelphia

"The North Pacific Coast"

JOSEPH APPLEY

Traveler and Lecturer, Yonkers, N.Y.

MUHLENBERG COLLEGE.

This institution was originally called the *Allentown Seminary,* which name it retained until 1864, when, by an Act of the Legislature of Pennsylvania, it was incorporated with full collegiate powers under the title of the "Allentown Collegiate Institute and Military Academy." In the year 1867 its control passed into the hands of a board of trustees, chiefly members of the Evangelical Lutheran Church, who had the charter amended by the Court of Lehigh County, formed themselves into a joint stock company, named the institution MUHLENBERG COLLEGE, after the honored patriarch of the Lutheran Faith in this country, and established a full collegiate course of studies.

Subsequently the institution, by surrender of the stock, and with a charter amended by the proper Court, was put under the direct control of the "Evangelical Lutheran Ministerium of Pennsylvania and Adjacent States." Its trustees are now elected by that body.

LOCATION.

Allentown is located fifty-nine miles north of Philadelphia, and ninety miles from New York City. The city has frequent and direct communications with New York, Philadelphia and other important points by L. V. R. R., C. R. R. of N. J. and P. & R. R. R.; and with Philadelphia by means of the express service of the L. V. Traction Co.

COLLEGIATE DEPARTMENT.

TERMS OF ADMISSION.

Advanced Standing.

Sophomore Class. Candidates for admission shall be required to satisfy as many points of Freshman work as we require of our own Freshmen. For system of points see page 19.

Junior Class. Candidates for admission shall be required to satisfy as many points of Sophomore work as we require of our own Sophomores. For system of points see page 19.

Senior Class. Candidates for admission shall be required to satisfy as many points of Junior work as we require of our own Juniors. For system of points see page 19.

No bachelor's degree shall be conferred unless the candidate has been in residence at least one year.

ADMISSION TO FRESHMAN CLASS

Candidates for admission to the Freshman Class, except such as are admitted on certificate from reputable and properly accredited fitting schools, must sustain an examination. The subjects presented for admission must amount in all to 14 points. A point consists of a year's work in a subject of four one-hour periods or five three-quarter hour periods per week; or "of a year's study in a subject representing approximately a quarter of a full year's work." The subjects which must be presented for admission to the Freshman Class, together with the number of points at which each is valued, are as follows:

FOR COURSE IN ARTS (A.B.)

Latin	4	Points
German	2	"
Greek	2	"
English	3	"
Mathematics	2½	"
	13½	Points

And at least one-half point from the list given on page 17. Or, if Greek is not offered, at least two and one-half points from the list on page 17.

FOR COURSE IN SCIENCE (B.S.)

German or Latin	3	Points
English	3	"
Mathematics	2½	"
Chemistry or Physics	1	Point
	9½	Points

And at least four and one-half points from the list on page 17.

FOR COURSE IN PHILOSOPHY (PH.B.)

Latin	3	Points
English	3	"
German or French	2	"
Mathematics	2½	"
History	1	Point
	11½	Points

And at least two and one-half points from the list given on page 17.

ADMISSION SUBJECTS IN DETAIL.

Greek.—Greek Grammar, and Prose Composition as found in White's First Lessons in Greek, or equivalent, and four books of Xenophon's Anabasis. 2 points.

Advanced Greek.—Homer's Iliad, six books, including Prosody. 1 point.

Latin.—Latin Grammar, and Prose Composition as found in Collar and Daniel's First Latin Book, four books of Cæsar's Commentaries, and six orations of Cicero, including *For the Manilian Law.* 3 points.

Advanced Latin.—Virgil's Æneid, Books I-VI, including Prosody. 1 point.

English.—English Grammar complete and Rhetoric. Applicants must also have read the books in English prescribed by the "Association of Colleges and Preparatory Schools in the Middle States and Maryland," or equivalents, and be examined on them. In place of part or all of this test, the candidate may present a properly attested exercise-book containing compositions and other written work done in connection with the reading of the books. 3 points.

REQUIREMENTS FOR 1915-19 REPRINTED FROM THE OFFICIAL REPORT OF THE COMMITTEE.

Preparation in English has two main objects: (1), command of correct and clear English, spoken and written; (2) ability to read with accuracy, intelligence, and appreciation.

ENGLISH GRAMMAR AND COMPOSITION.

The first object requires instruction in grammar and composition. English grammar should ordinarily be reviewed in the secondary school; and correct spelling and grammatical accuracy should be rigorously exacted in connection with all written work during the four years. The principles of English composition governing punctuation, the use of words, paragraphs, and the different kinds of whole composition, including letter-writing, should be thoroughly mastered; and practice in composition, oral as well as written, should extend throughout the secondary school period. Written exercises may well comprise narration, description,

and easy exposition and argument based upon simple outlines. It is advisable that subjects for this work be taken from the student's personal experience, general knowledge, and studies other than English, as well as from his reading in literature. Finally, special instruction in language and composition should be accompanied by concerted effort of teachers in all branches to cultivate in the student the habit of using good English in his recitations and various exercises, whether oral or written.

LITERATURE.

The second object is sought by means of two lists of books, headed respectively *reading* and *study*, from which may be framed a progressive course in literature covering four years. In connection with both lists, the student should be trained in reading aloud and be encouraged to commit to memory some of the more notable passages both in verse and prose. As an aid to literary appreciation, he is further advised to acquaint himself with the most important facts in the lives of the authors whose works he reads and with their place in literary history.

(A) READING. The aim of this course is to foster in the student the habit of intelligent reading and to develop a taste for good literature by giving him a first-hand knowledge of some of its best specimens. He should read the books carefully, but his attention should not be so fixed upon details that he fails to appreciate the main purpose and charm of what he reads.

With a view to large freedom of choice, the books provided for reading are arranged in the following groups, from each of which at least two selections are to be made, except as otherwise provided under Group I.

GROUP I. CLASSICS IN TRANSLATION.—The Old Testament, comprising at least the chief narrative episodes in Genesis, Exodus, Joshua, Judges, Samuel, Kings, and Daniel, together with the books of Ruth and Esther; the Odyssey, with the omission, if desired, of Books I, II, III, IV, V, XV, XVI, XVII; the Iliad, with the omission, if desired, of Books XI, XIII, XIV, XV, XVII, XXI;

Aeneid; the Odyssey, Iliad, and Aeneid should be read in English translations of recognized literary excellence.

For any selection from this group a selection from any other group may be substituted.

GROUP II. SHAKESPEARE.—Midsummer Night's Dream; Merchant of Venice; As You Like It; Twelfth Night; The Tempest; Romeo and Juliet; King John; Richard II; Richard III; Henry V; Coriolanus; and if not chosen for study under B, Julius Cæsar; Macbeth; Hamlet.

GROUP II. PROSE FICTION.—Malory's Morte d'Arthur (about 100 pages); Bunyan's Pilgrim's Progress, Part I; Swift's Gulliver's Travels (voyages to Lilliput and to Brobdingnag); Defoe's Robinson Crusoe, Part I; Goldsmith's Vicar of Wakefield; Frances Burney's Evelina; Scott's Novels, any one; Jane Austen's Novels, any one; Maria Edgeworth's Castle Rackrent, or the Absentee; Dickens's Novels, any one; Thackeray's Novels, any one; George Eliot's Novels, any one; Mrs. Gaskell's Cranford; Kingsley's Westward Ho! or Hereward, the Wake; Reade's The Cloister and the Hearth; Blackmore's Lorna Doone; Hughes's Tom Brown's School Days; Stevenson's Treasure Island, or Kidnapped, or Master of Ballantræ; Cooper's Novels, any one; Poe's Selected Tales; Hawthorne's The House of the Seven Gables, or Twice Told Tales, or Mosses from an Old Manse; a collection of Short Stories by various standard writers.

GROUP IV. ESSAYS, BIOGRAPHY, ETC.—Addison and Steele's The Sir Roger de Coverley Papers, or selections from the *Tatler* and *Spectator* (about 200 pages); Boswell's life of Johnson (selections from, about 200 pages); Franklin's Autobiography; Irving's Sketch Book (selections from, about 200 pages), or life of Goldsmith; Southey's Life of Nelson; Lamb's Essays of Elia (selections from, about 100 pages); Lockhart's Life of Scott (selections from, about 200 pages): Thackeray's Lectures on Swift, Addison, and Steele in the English Humorists; Macaulay's Essays on Lord Clive, Warren Hastings, Milton, Addison, Goldsmith, Frederic the Great, Madame d'Arblay (any one); Trevelyan's Life of Macaulay (selections from, about 200 pages); Ruskin's Sesame and Lilies, or Selections (about 150 pages); Dana's Two Years before the Mast; Lincoln: selections, including at least the two Inaugurals, the Speeches in Independence Hall and at Gettysburg, the Last Public Address, the Letter to Horace Greeley, together with a brief memoir or estimate of Lincoln; Parkman's The Ore-

gon Trail; Thoreau's Walden; Lowell's Selected Essays (about 150 pages); Holmes's The Autocrat of the Breakfast Table; Stevenson's An Inland Voyage and Travels with a Donkey; Huxley's Autobiography and selections from Lay Sermons, including the addresses on Improving Natural Knowledge, A Liberal Education, and A Piece of Chalk; a collection of Essays by Bacon, Lamb, De Quincy, Hazlitt, Emerson, and later writers; a collection of Letters by various standard writers.

GROUP V. POETRY.—Palgrave's Golden Treasury (First Series), Books II and III, with special attention to Dryden, Collins, Gray, Cowper, and Burns; Palgrave's Golden Treasury (First Series), Book IV, with special attention to Wordsworth, Keats, and Shelley (if not chosen for study under B); Goldsmith's The Traveller and The Deserted Village; Pope's The Rape of the Lock; a collection of English and Scottish Ballads, as, for example, some Robin Hood Ballads, The Battle of Otterburn, King Estmere, Young Beichan, Bewick and Grahame, Sir Patrick Spens, and a selection from later ballads; Coleridge's The Ancient Mariner Christabel, and Kubla Khan; Byron's Childe Harold, Canto III or IV, and The Prisoner of Chillon; Scott's The Lady of the Lake, or Marmion; Macaulay's The Lays of Ancient Rome, The Battle of Naseby, The Armada, Ivry; Tennyson's The Princess or Gareth and Lynette, Launcelot and Elaine, and The Passing of Arthur; Browning's Cavalier Tunes, The Lost Leader, How They Brought the Good News from Ghent to Aix, Home Thoughts from Abroad, Home Thoughts from the Sea, Incident of the French Camp, Hervè Riel, Pheidippides, My Last Duchess, Up at a Villa —Down in the City, The Italian in England, The Patriot, The Pied Piper, "De Gustibus"—, Instans Tyrannus; Arnold's Sohrab and Rustum, and The Forsaken Merman; selections from American Poetry, with special attention to Poe, Lowell, Longfellow, and Whittier.

(B) STUDY. This part of the requirement is intended as a natural and logical continuation of the student's earler reading, with greater stress laid upon form and style, the exact meaning of words and phrases, and the understanding of allusions. The books provided for study are arranged in four groups, from each of which one selection is to be made.

GROUP I. DRAMA.—Shakespeare's Julius Cæsar; Macbeth; Hamlet.

GROUP II. POETRY.—Milton's L'Allegro, Il Penseroso, and either Comus or Lycidas; Tennyson's The Coming of Arthur, The

Holy Grail, and The Passing of Arthur; the selections from Wordsworth, Keats, and Shelly in Book IV of Palgrave's Golden Treasury (First Series).

GROUP III, ORATORY.—Burke's Speech on Conciliation with America; Macaulay's Two Speeches on Copyright and Lincoln's Speech at Cooper Union; Washington's Farewell Address and Webster's First Bunker Hill Oration.

GROUP IV. ESSAYS.—Carlyle's Essay on Burns, with a selection from Burns's Poems; Macaulay's Life of Johnson; Emerson's Essay on Manners.

STUDY.

This part of the requirement is intended as a natural and logical continuation of the student's earlier reading, with greater stress laid upon form and style, the exact meaning of words and phrases, and the understanding of allusions. For this close reading are provided a play, a group of poems, an oration, and an essay, as follows:

Shakespeare's Macbeth; Milton's L'Allegro, Il Penseroso, and Comus; either Burke's Speech on Conciliation with America, or both Washington's Farewell Address and Webster's First Bunker Hill Oration; either Macaulay's Life of Johnson, or Carlyle's Essay on Burns.

German.—German Grammar as found in Joynes-Meissner's Grammar. The student must also have read 250 to 300 pages of German prose and poetry and must have the ability to translate simple English prose into German (about 100 lessons). Some of the books recommended for reading are Glück Auf, Storm's Immensee, Heyse's L'Arrabbiata, Hauff's Das Kalte Herz, Hillern's Hoeher als die Kirche, Zschokke's Der Zerbrochene Krug, Gerstaecker's Germelshausen. 2 points.

Advanced German.—As recommended by the Modern Language Association of America, this work should comprise, in addition to the elementary course, the reading of about 400 pages of moderately difficult prose and poetry,

with constant practice in giving, sometimes orally and sometimes in writing, paraphrases, abstracts, or reproductions from memory of selected portions of the matter read; also grammatical drill upon the less usual strong verbs, the use of articles, cases, auxiliaries of all kinds, tenses and modes (with special reference to the infinitive and the subjunctive), and likewise in word order and word formation. 1 point.

French.—French Grammar. The student must also have read 100 to 175 pages of French in graduated texts and 250 to 400 pages of easy modern prose in the form of stories, plays, or historical or biographical sketches, and must have the ability to translate simple English prose into French. Among the texts that we recommend are: Aldrich and Foster's Grammar, Aldrich and Foster's Reader, Sanderson's Through France and the French Syntax, Bacon's Une Semaine á Paris, Laboulaye's Contes Bleus, Feuillet's Roman d' un Jeune Homme Pauvre. 2 points.

Mathematics.—Arithmetic including the Metric System, Wentworth's Higher Algebra through Quadratics, and Wentworth's Plane Geometry. 2½ points.

Advanced Mathematics.—Solid Geometry. ½ point.

History.—

(a) American History and Civics. 1 point.
(b) Greek and Roman History. 1 point.
(c) English History. 1 point.
(d) General History. 1 point.

Science.—Physical Geography, Physiology, Zoology, Botany and Astronomy will each count one-half point. Chemistry and Physics, if accompanied by laboratory work, will each count one point.

Summary of Subjects and Points

	Points
Latin	3
Advanced Latin	1
Greek	2
Advanced Greek	1
English	3
German	2
Advanced German	1
French	2
Advanced French	1
Mathematics	2½
Advanced Mathematics	½
History, a, b, c, d, each	1
Physics	1
Chemistry	1
Physical Geography	½
Physiology	½
Zoology	½
Botany	½
Astronomy	½

COURSES OF INSTRUCTION.

There are three courses, under which the various subjects are grouped, the *Classical,* the *Scientific* and the *Philosophical.* With a necessary nucleus of required studies there is combined in the higher classes such a range of electives as may properly be left to the choice of the individual student. But even among electives certain studies are required of or recommended to those who are preparing for theology or medicine. All other students have as wide and free a choice as a liberal or scientific collegiate education, and the attestation which the respective degrees ought justly and historically to give, will wisely permit.

The Course in Arts, ending in the degree A.B., looks to the general liberal culture, which is a prerequisite for any of the learned professions or for specialization in cultural subjects in university work. The studies in the Course in Arts are also those which will most benefit any man seeking a higher education, that is becoming so valuable in any walk of life, and especially the higher business interests of our age.

The Course in Science, ending in the degree B.S., with a broad basis of general knowledge places Modern Languages and Mathematics in the center. It offers a good collegiate preparation for special university work in the Sciences, and is of advantage to the future student of medicine. At the same time it offers a good education for young men who intend devoting themselves to any of the industrial arts.

The Course in Philosophy, ending in the degree Ph.B., is planned in response to a growing demand for a course in which Philosophy, History, Economics and the Modern Languages should hold the most prominent place. This course

aims to lay a broad and deep foundation in the subjects considered essential for a successful career in business or the various professions, while imparting the knowledge, the culture and the training absolutely necessary for the solution of the current problems in philosophy and religion, as well as for the full and satisfactory performance of the daily duties of intelligent citizenship. The course is especially offered and recommended to teachers and young men of more advanced age who have never studied Greek, but otherwise have had sufficient preparation to benefit by the study of the many important subjects so intimately connected with the thought, the culture and the progress of modern life.

Special courses may be chosen in those departments where it is deemed advisable. But under no conditions will any student be allowed to do so unless he presents the full requirements for admission to the Freshman class.

No special course has been arranged to conform with the requirements of the Bureau of Medical Education and Licensure of the State of Pennsylvania. Provision has, however, been made for such students in Modern Languages (French 131, Scientific German 111); Chemistry, 233 and 234; Physics, 220 and 221; and Biology, 250, 251 252, 253 and 254.

SYSTEM OF CREDITS FOR GRADUATION

Unit of Work.

One hour of lecture or recitation work a week throughout the year, or two hours of laboratory work a week throughout the year, are accredited as one unit.

Total number of units required of Freshmen	21
Total number of units required of Sophomores	20
Total number of units required of Juniors	16
Total number of units required of Seniors	15
Total number of units required for graduation	72

REQUIRED COURSES

Studies	A. B. Course			Ph. B. Course			B. S. Course		
FRESHMEN	First Term	Second Term	Units	First Term	Second Term	Units	First Term	Second Term	Units
Religion	1	1	1	1	1	1	1	1	1
Greek	50,52	51,52	4				*		
Latin	71,73	72,73	4	71,73	72,73	4			
English	90,93	90,102	3	90,93	90,102	3	90,93	90,102	3
German	110	110	2	110,111	110,111	4	110,111	110,111	4
French				131	131	2	131	131	2
History	170	170	2	170	170	2	170	170	2
Mathematics	200,201	200,202	3	200,201	200,202	3	200,201	200,201	3
Chemistry							232,233	232,234	4
Physical Culture			1			1			1
			20			20			20
SOPHOMORES									
Religion	2	2	2	2	2	2	2	2	2
Greek	53	54	3						
Latin	74,77	75,76	3	74,77	75,76	3			
English	94,103	94,91	3	94,103	94,91	3	94,103	94,103	3
German				113	113	1	113	113	1
German	112	112	2	112	112	2	112	112	2
-or-	or	or					or	or	
French	132	132	2	133	133	2	133	133	2
History	171	171	2	171	171	2	171	171	2
Mathematics	203,204	205,206	2	203,204	205,206	2	203,204	205,206	2
Chemistry	230,231	230,231	2	230,231	230,231	2	235	236	5
Biology							250	251	2
Physical Culture			1			1			1
			20			20			20
JUNIORS									
Religion	3	4	2	3	4	2	3	4	2
Philosophy	20	21	2	20	21	2	20	21	2
English	95	95	2	95	95	2			
History	172	173	1	172	173	1			
Economics				190	190	2			
Physics	220	220	2	220	220	2	221,222	221,222	4
Chemistry							236	236	2
Biology							252,253	254	4
			9			11			14
SENIORS									
Religion	5		1	5		1	5		1
Ethics		24	1		24	1		24	1
English	96	96	2	96	96	2			
History	174	174	2	174	174	2			
Sociology				191	191	2			
Physics							221,222	221,222	4
Biology							255,256	257	4
			6			8			10

*Latin may be elected.

Units for Promotion

Any student who has completed as many as 16 units of Freshman work at the end of his Freshman year shall be promoted to the Sophomore Class. The units not satisfactorily completed shall be counted as conditions which must be removed during the first term of the following year.

Any student who has completed as many as 35 units of college work at the end of the Sophomore year shall be promoted to the Junior class. The units not satisfactorily completed shall be counted as conditions which must be removed during the first term of the following year.

Any student who has completed 55 units of college work at the end of his Junior year shall be promoted to the Senior Class. No student will be admitted to the Senior Class if he has any conditions whatsoever. Every Senior is required to present a satisfactory thesis, the subject of which must be handed in on or before January 1.

The three degrees, A.B., B.S., and Ph.B. are conferred only on the satisfactory completion of seventy units of work.

Any student who fails of promotion to a higher class, must take over again in class those studies in which he has failed. If he shows special fitness he may be allowed to take some studies with the next higher class; but he ranks as a member of the class from which he was not promoted.

ELECTIVES

The minimum number of units in the Junior year shall be sixteen, and in the Senior year fifteen. In both of these years a sufficient number of elective units must be chosen, which if added to the required units, will total these numbers. The maximum number of units allowed for the upper classes is eighteen. As stated elsewhere, all elec-

tives must be handed to the Dean on or before June 1st of the year when the elective course is to be taken. The major part of the electives should be chosen from one of the related subjects of a group.

JUNIOR ELECTIVES.

Studies.	Number of Course.	Credits.
Greek	55	2
Latin	78, 79	2
Latin	83, 84, 85	
German	114	2
German	115	2
French	134	2
French	135	2
Spanish	150	2
Italian	160	1
English	92	1
English	101	1
English	104	1
English	106	1
English	107	1
History	172, 173	2
History	174	2
Economics	190	2
Sociology	192	1
Chemistry	240	2
Physics	241	2
Biology	252, 253, 254	4
Mathematics	208	2
Mathematics	211, 212	2
Pedagogy	30, 31	2
Music	40	1

SENIOR ELECTIVES.

Greek	55	2
Latin	80, 81	2
Latin	85, 86, 87	
German	116	2
German	117	2
French	136	2

Studies.	Number of Course.	Credits.
French	137	2
Spanish	151	2
Italian	160	1
English	96	2
English	97, 98	2
English	105	1
English	106	1
English	107	1
History	174	2
Sociology	191	2
Sociology	192	1
Chemistry	237	2
Chemistry	238, 239	3
Chemistry	240	2
Biology	258	1
Geology	270	2
Mathematics	209	2
Mathematics	210	3
Philosophy	22	3
Aesthetics	23	1
Pedagogy	32, 33	2
Music	41	1

FRESHMAN SCHEDULE

Time	Course	Monday	Term		Tuesday	Term		Wednesday	Term		Thursday	Term		Friday	Term	
			1	2		1	2		1	2		1	2		1	2
	A.B.	Latin(Sec.1)	71	72	Algb. (Sec.1)	200	200				Algb. (Sec.1)	200	200	Greek	52	52
8.40	Ph.B.	Algb. (Sec.2)	200	200				French	131	131		200	200	Algb. (Sec.2)	200	200
	B.S.	Algb. (Sec.2)	200	200				French	131	131		200	200	Algb. (Sec.2)	200	200
9.40		Chapel			Chapel			Chapel			Chapel			Chapel		
	A.B.				Greek	50	51	Latin (Sec.1)	71	72	Greek	50	51	Geo. (Sec.1)	201	202
10.00	Ph.B.	Eng. (Sec.2)	93		German	110	110	Geo. (Sec. 2)	201	202				Latin(Sec.2)	73	73
	B.S.	Eng. (Sec.2)	93		German	110	110	Geo. (Sec. 2)	201	202	Chemistry	232	232	Chemistry	232	232
	A.B.	Eng. (Sec. 1)	93		Eng. (Sec. 1)		102	Eng.(Sec.1)	90	90				Eng. (Sec. 1)	90	90
11.00	Ph.B.	French	131	131	Eng. (Sec. 2)	90	90	German	111	111	Eng. (Sec. 2)	90	90	Eng. (Sec. 2)		102
	B.S.	French	131	131	Eng. (Sec. 2)	90	90	German	111	111	Eng. (Sec. 2)	90	90	Eng. (Sec. 2)		102
	A.B.							History	170	170				History	170	170
1.00	Ph.B.	Latin(Sec.2)	71	72	Latin(Sec.2)	71	72	History	170	170	Latin(Sec.2)	71	72	History	170	170
	B.S.				Chemistry	233	234	History	170	170	Chemistry	233	234	History	170	170
	A.B.	Greek	50	51	German	110	110	Religion	1	1	Beg. Greek			Religion	1	1
2.00	Ph.B.	German	111	111				Religion	1	1				Religion	1	1
	B.S.	German	111	111	Chemistry	233	234	Religion	1	1	Chemistry	233	234	Religion	1	1
	A.B.	Latin(Sec.1)	73	73	Beg. Greek						German	110	110	Latin(Sec. 1)	71	72
3.00	Ph.B.							German	110	110						
	B.S.				Chemistry	233	234	German	110	110	Chemistry	233	234			

Beginner's Greek, Wed. 4

SOPHOMORE SCHEDULE

Time	Course	Monday	Term 1	Term 2	Tuesday	Term 1	Term 2	Wednesday	Term 1	Term 2	Thursday	Term 1	Term 2	Friday	Term 1	Term 2
	A.B.	German	112	112	Greek	53	54	Ger. (Sec. 1)	112	112	Greek	53	54	Greek*	52	52
8.40	Ph.B.				German	113	113	Math.(Sec.2)	203 204	205 206	French	133	133	Eng. (Sec. 2)	94	94
	B.S.				German	113	113	Math.(Sec.2)	"	"	French	133	133	Eng. (Sec. 2)	94	94
9.40		Chapel			Chapel			Chapel	2	2	Chapel			Chapel		
	A.B.	History	171	171	Greek*	50	51	Religion	2	2	History	171	171	Greek	53	54
10.00	Ph.B.	History	171	171	Eng. (Sec.2)	103	91	Religion	2	2	History	171	171			
	B.S.	History	171	171	Eng. (Sec.2)	103	91	Religion	2	2	History	171	171			
	A.B.	Latin	74	76				Latin	74	76	Religion	2	2	Latin	77	75
11.00	Ph.B.	Latin	74	76	German	112	112	Latin	74	76	Religion	2	2	Latin	77	75
	B.S.				German	112	112	Chemistry	236	236	Religion	2	2	Chemistry	236	236
	A.B.	French	132	132	Eng. (Sec. 1)	94	94	Chemistry	230	231						
1.00	Ph.B.	German	112	112				Chemistry	230	231				Math.(Sec.2)	203 204	205 206
	B.S.	German or French	112 132	112 132	Chemistry	235	236	Biology	250	251	Chemistry	235	236			
	A.B.	Math.(Sec.1)	203 204	205 206	Math.(Sec.1)	203 204	205 206	Chemistry	230	231	Eng. (Sec. 1)	94	94			
2.00	Ph.B.	French	133	133				Chemistry	230	231						
	B.S.	French	133	133	Chemistry	235	236	Biology	250	251	Chemistry	235	236			
	A.B.							Chemistry	230	231	Greek* French	50 132	51 132	Eng. (Sec. 1)	103	91
3.00	Ph.B.	Eng. (Sec.2)	94	94				Chemistry	230	231						
	B.S.	Eng. (Sec.2)	94	94	Chemistry	236	236	Biology	250	251	Chemistry	236	236			

Either German 112 or French 133 must be taken by B.S. Students Either German 112 or French 132 must be taken by A.B. Students.

* Second year Greek for those who began Greek in College.

JUNIOR SCHEDULE

Time	Course	Monday	Term 1	Term 2	Tuesday	Term 1	Term 2	Wednesday	Term 1	Term 2	Thursday	Term 1	Term 2	Friday	Term 1	Term 2
	A.B.	Spanish	150	150				Spanish	150	150						
8.00	Ph.B.	Spanish	150	150				Spanish	150	150						
	B.S.	Spanish	150	150				Spanish	150	150				German	115	115
	A.B.				English	95	95	Physics	220	220	Religion	3	4	Religion	3	4
8.40	Ph.B.				English	95	95				Religion	3	4	Religion	3	4
	B.S.	German	115	115							Religion	3	4	Religion	3	4
9.40		Chapel			Chapel			Chapel			Chapel			Chapel		
	A.B.	Pedagogy	30	31	Economics Latin	190 78	190 79				Psychology Logic	20	21	Psychology Logic	20	21
10.00	Ph.B	or			Ecomonics	190	190				"	20	21	"	20	21
	B.S.	French	134	134	Economics	190	190				"	20	21	"	20	21
	A.B.	Physics	220	220	History	174	174				Economics	190	190	French	134	134
11.00	Ph.B	Physics	220	220	History	174	174				Economics	190	190	French	134	134
	B.S.				Physics	221	221				Physics	221	221			
	A.B.	English	96	96	Oratory	104	104	German or English	114	114	English	96	96	English	95	95
1.00	Ph.B.	English	96	96					106	106	English	96	96	English	95	95
	B.S.	Biology	252/253	254	Chemistry	235	235				Chemistry	235	235	Physics	222	222
	A.B.	Music	40	40	Pedagogy	30	31	History	174	174	Greek or	55	55			
2.00	Ph.B.	Music	40	40	Pedagogy	30	31	History	174	174	German	114	114			
	B.S.	Biology	252/253	254	Chemistry	235	235				Chemistry	235	235	Physics	222	222
	A.B.	Greek	55	55	History	172	173	Greek	55	55	Latin	78	79			
3.00	Ph.B.				History	172	173									
	B.S.	Biology	252/253	254	Chemistry	235	235				Chemistry	235	235	Physics	222	222

SENIOR SCHEDULE

Time	Course	Monday	Term 1	Term 2	Tuesday	Term 1	Term 2	Wednesday	Term 1	Term 2	Thursday	Term 1	Term 2	Friday	Term 1	Term 2
	A.B.				Spanish	151	151				Spanish	151	151	French	97	98
8.00	Ph.B.				Spanish	151	151				Spanish	151	151			
	B.S.				Spanish	151	151				Spanish	151	151	German		
	A.B.				Pedagogy	32	33	Religion Ethics	5	24	Geology	270	270	French	136	136
8.40	Ph.B.				Pedagogy	32	33	"	5	24	Geology	270	270	French	136	136
	B.S.				Pedagogy	32	33	"	5	24	Geology	270	270			
9.40		Chapel			Chapel			Chapel			Chapel			Chapel		
	A.B.				German	116	116				Religion Ethics	5	24			
10.00	Ph.B.										"	5	24			
	B.S.	Physics	222	222	Physics	222	222				"	5	24			
	A.B.	Sociology	191	191		174	174	Aesthetics	23	23	Philosophy	22	22		258	258
11.00	Ph.B.	Sociology	191	191	History	174	174				Philosophy	22	22	Gen. Biol.		
	B.S.	Sociology	191	191		174	174	German	117	117						
	A.B.	Music	40	40	Geology	270	270	English	106	106	English	96	96	English	99	100
1.00	Ph.B.	Music	40	40	or			English	106	106	or			English	99	100
	B.S.				English	104	104	Physics	222	222	French	136	136	Biology	255 256	257
	A.B.	English	96	96	Sociology	191	191	Philosophy	22	22	Pedagogy	32	33	Philosophy	22	22
2.00	Ph.B.	English	96	96	Sociology	191	191	or History	174	174	or Greek	55	55	Philosophy	22	22
	B.S.				Sociology	191	191	Physics	222	222	or Calc.	209	209	Biology	255 256	257
	A.B.	Greek	55	55	Eng. Nov.	99	100	Eng. Poets	97	98				Eng. Poets	97	98
3.00	Ph.B.				Eng. Nov.	99	100	Eng. Poets.	97	98				or German	116	116
	B.S.	German	117	117				Physics	222	222				Biology	255 256	257

History 174 required if not taken Junior year.

DEPARTMENTS OF INSTRUCTION.

RELIGION.

THE PRESIDENT

Because it believes an intellectual without a spiritual training to be a grave error, Muhlenberg College strives, throughout its entire course, to secure not only a proper study of religion, but also a consistent practice of it. Convinced also that a vague, general religious knowledge is ineffectual, it imparts and inculcates its instructions loyally and specifically. While the position of Muhlenberg College is conservatively Lutheran, and true to the Church which has founded and endowed it, yet it is by no means narrow or exclusive. The work of each day is begun with worship in the Chapel, attendance at which is expected. Attendance upon the service of some specified church on the Lord's Day is also required, while connection with Sunday-school, as scholar or teacher, is recommended.

In addition, there exists a students' association, with voluntary Bible and Mission Classes, weekly devotional meetings, and monthly public gatherings at which some phase of Christian work is presented by an invited speaker.

1. Character Studies in the Bible. W. 2, F. 2 (1)

Beginning with a careful study of the life of Christ and New Testament characters, this course continues in the second term with an outline study of the Old Testament. The historical facts are correlated with the biographic studies. Freshmen required; two hours.

2. English Bible. W. 10, Th. 11 (2)

A full survey of the history of the English Bible, the form of literature, the historical setting of the books is combined with study of selections from a linguistic, literary and religious point of view. Sophomores required, two hours.

3. Christianity and Other Religions. Th. 8.40, Fri. 8.40 (1)
A comparison of the leading non-Christian religions with the ideas and teachings of the New Testament. Juniors required: two hours, first term.

4. The New Testament and Social Problems. Th. 8.40, Fri. 8.40 (1)
A study of modern social questions from the standpoint of the principles and teachings of the New Testament. Juniors required; two hours, second term.

5. Trends of Thought and Christian Truth. W. 8.40, Th. 10 (1)
This course consists of a comparison of modern logical positions in science and philosophy with the truth of Christianity. Textbook: Haas, "Trends of Thought and Christian Truth." Seniors required; two hours, first term.

6. The Elements of Religion.
The Elements of Religion will be discussed every year in a series of lectures either on "The Augsburg Confession," or on Luther's Smaller Catechism or on some other confessional writing of our Lutheran Church. The name of the lecturers will be announced in due time. Required of all Lutherans; elective for others.

PHILOSOPHY.

THE PRESIDENT AND MR. KLINE

The purpose of the courses in Philosophy is to develop the power of clear reasoning and accurate statement, to show the value of philosophical system, familiarize with philosophical terms and indicate the movement of philosophical thought.

The study of Psychology is to prepare for a general understanding of the relation of mind and body. The course in Logic is to show the underlying principles of thought and science. History of Philosophy presents the great philosophical problems in their historic connections. Aesthetics is to give an insight into the ideals and principles of the beautiful. Ethics is the necessary supplement to general philosophical study, but also has important practical bear-

ings. All these courses look only to general principles, but prepare for detailed post-graduate university work.

20. Psychology. First Term, Th. 10, F. 10 (1)

MR. KLINE

The problems of the distinction of psychology and physiology, sensations, perceptions, feeling, thought, volition, the self, etc., are studied in outline, preparing for larger, fuller work. Two hours, first term, Junior required. Pillsbury, Essentials of Psychology. (Lectures and parallel references to James, Judd, Angell, Seashore.)

21. Logic. Second Term, Th. 10, F. 10 (1)

MR. KLINE

This course embraces the principles of deductive and inductive logic. It discusses the concept, judgment, division, classification, syllogisms, fallacies; agreement, difference, causation, hypothesis, analogy, probability, etc. Two hours, second term, Junior required. Creighton's Logic and parallel references particularly to the new logic.

22. History of Philosophy. W. 2, Th. 11, F. 2 (3)

MR. KLINE

An intensive course in ancient and modern philosophy on the basis of Cushman, History of Philosophy, Vols. I and II. Lectures, readings and discussions of philosophical problems. Senior elective, three hours, throughout the year.

23. Aesthetics. Hours to be arranged (1)

MR. BROWN

Lectures and reports on the development, the principles, and the relations of the fine arts. A survey of the art of all countries and periods from the Egyptian era to the Twentieth Century, with special attention to the architecture and sculpture of Greece, and the architecture of the Christian Church culminating in the Medieval Cathedral. Readings in Lessing, Ruskin, and Tolstoi.

Senior elective, one hour, throughout the year.

24. Ethics. Second Term, W. 8.40; Th. 10; (1)

DR. HAAS

This course includes lectures and discussions on the foundation of ethics and its relation to religion, Hedonism, Rationalism and Personalism; free will, the conscience, virtue, duty, pessimism; and a practical outline of personal and social ethical relations and duties. Senior required; two hours, second term.

PEDAGOGY.

DEAN ETTINGER.

This department offers a two years' course embracing the History of Education, Educational Psychology, Methodology, and a study of Educational Classics. The History of Education traces the development of pedagogic thought and theory from the earliest times to the present. This is followed by a study of Psychology with special reference to its relation to education. Under Methodology the educational value of the various subjects usually taught, the proper methods of teaching the same, and the most important questions of school management are discussed. The study of Educational Classics affords scope for criticism and exacts original work by the class. The course in this department is conducted by means of recitations from text-books, lectures, and original papers by the class.

30. History of Education. First Term, M. 10, T. 2 (1)
Junior elective. (Seeley.)

31. Educational Classics. Second Term, M. 10, T. 2 (1)
Junior elective. (Painter's Educational Classics.)

32. Educational Psychology. First Term, T. 8.40; Th. 2 (1)
Senior elective. (Dexter and Garlick's Psychology in the Schoolroom.)

33. Methodology. Second Term, T. 8.40; Th. 2 (1)
Senior elective. (Compayre's Lectures on Pedagogy.)

MUSIC.

MR. MARKS

This department does not aim to give formal instruction on any specific instrument, much less to turn out so-called "finished musicians." The object of the courses offered is to afford the student a comprehensive knowledge of the theory and history of music so that he can the better appre-

ciate their true place and value as an element of culture in the development of the individual.

40. The Theory of Music. M. 2 (1)

The Elements of Music, Harmony, Form. Throughout the year, one hour, elective for Juniors.

41. The History of Music. Hour to be arranged (1)

Antiquity, Music of the Early Christian Age, Polyphonic Music, The Lutheran Reformation, Schools of Music, Contemporary Composers, Biography. Throughout the year, one hour, elective for Seniors.

THE ANCIENT LANGUAGES.

DEAN ETTINGER AND PROFESSOR HORN.

GREEK

PROFESSOR HORN.

The aim of the four years' work is to give the student so firm a grasp of grammar and so large a vocabulary that he will be able with comparative ease to read any ordinary (Attic) Greek text, and at the same time to make him familiar with the best writers of Greece, and to give him an intelligent acquaintance with Greek history, geography, institutions, and culture. The work will be such that a student will be fitted for graduate work at the larger institutions of learning. Throughout the course, stress is laid upon the geography and history of Greece; lectures, some of which will be illustrated by the stereopticon, will be given on these and similar subjects. The department has been recently furnished with the best ancient maps, by Henry Kiepert, and every aid will be afforded the student for geographical work. In the college library there will be reserved many books, to which students will be frequently referred, and which will be in constant use.

The Department is supplied with a number of photographs and lantern slides illustrating Greek art and archi-

tecture, history and private life; these will be used for the purpose of instruction.

Each member of every class should own the following books: Goodwin, Greek Grammar, revised edit.; Goodwin, Moods and Tenses of the Greek Verb, new edit.; Kiepert's Atlas Antiquus, or Putzger's Historical School Atlas, or Grundy's Small Classical Atlas (Oxford University Press), or Ginn and Co.'s Classical Atlas; Liddell and Scott's Greek Lexicon, unabridged, preferably one of the latest editions. Note books will be needed.

Beginners' Greek. T. 3, W. 4, Th. 2

This course is intended for mature students who enter college without Greek and are eager to make up their loss. The progress is rapid, for the student must master the elements of the language and read a considerable amount of Xenophon's Anabasis, in connection with which there will be work in Prose Composition. The course will be introductory to 50 and 51. Candidates for the degree of A. B. who begin Greek in college are required to take Greek throughout their college course. Beginners' Greek Book, Benner and Smyth; Xenophon's Anabasis, Mather and Hewitt. Pearson's Greek Prose Composition.

REQUIRED OF CLASSICAL FRESHMEN.

50. Herodotus and Lysias. First Term, M. 2, T. 10, Th. 10 (1½)

51. Iliad. Second Term, M. 2, T. 10, Th. 10 (1½)

52. Greek Prose Composition. Fr. 8.40

Tales from Herodotus, Farnell; Morgan's Eight Orations of Lysias; Benner's Selections from the Iliad; Mierow's Greek Syntax.

REQUIRED OF CLASSICAL SOPHOMORES

53. Plato's Apology and Crito and Selections from Phaedo. First Term, T. 8.40; Th. 8.40; F. 10 (1½)

54. Greek Tragedy. Second Term, T. 8.40, Th. 8.40, F. 10 (1½)

Plato's Apology and Crito, Dyer, revised by Seymour; Euripides, Alcestis, Jerram; Sophocles' Antigone, D'Ooge; Jebb's History of Greek Literature.

ELECTIVES FOR JUNIORS AND SENIORS

55. Greek Literature. M. 3, W. 3 (2)

The authors read will be announced later. In addition to the study of representative selections from great authors, there will be lectures and reports. Some New Testament Greek will be included in the course.

ELECTIVES FOR JUNIORS AND SENIORS OMITTED IN 1915-1916

56. Greek Drama. (2)

One play each of Aeschylus, Sophocles, Euripides, and Aristophanes. A study of the development of Greek Tragedy and Comedy. Two hours a week.

57. Greek History. (2)

Two hours a week. The course will consist of required reading, lectures, and reports. Some of the reading will be in the original Greek.

58. Lyric Poetry. (1)

Tyler's Greek Lyric Poets, new edition.

LATIN

DEAN ETTINGER.

The courses offered in this department are intended to afford the student such a knowledge of the language, the thought, the life and the antiquities of the Roman people and the "Eternal City" as an intelligent cultured American of to-day may be justly expected to possess. Without aiming to train Latin philologians or Roman archæologists, which is altogether the business of the university, Muhlenberg College offers such courses based on the study of the masterpieces of Roman Literature as will afford an accurate and comprehensive survey of the character, the history and the achievements of this wonderful people, the important part they played in the development of the human race and their contributions to the Modern Languages, literatures, jurisprudence and government in general. The work in this

subject furthermore aims to lay the broad and deep foundations so necessary for successful post-graduate study.

That the student may receive the fullest benefit from the courses in this department, it is absolutely essential that he bring with him, when entering college, such a knowledge of the fundamentals of Latin Grammar and elementary Latin prose composition, together with a fair and ready command of the vocabulary of the Roman speech as will enable him to take an active and intelligent part in the work of the classroom. In this connection we cannot too strongly emphasize the importance of honest and sufficient work in the preparatory school.

[Allen and Greenough's Latin Grammar is used as the general authority and all students are urged to provide themselves with Harper's Larger Latin Dictionary, as the smaller dictionaries will not suffice for the work in the higher classes. The Roman system of pronunciation is used.]

70. Beginners' Latin. Hours to be arranged.

Especially offered for the benefit of students of more advanced years who have the ability and the determination to fit themselves for more extended work in Latin. Text books selected to suit conditions. First term, four hours a week. Freshman year.

71. Cicero. Section 1. First Term, M. 8.40, W. 10, F. 3
Section II. First Term, M. 1, T. 1, Th. 1 (1½)

De Amicitia, and De Senectute. With special attention to the vocabulary, forms and construction. First term, three hours. Required of all Freshmen, except Philosophical and Scientific students not taking Latin. (Bennett's De Amicitia and De Senectute.)

72. Livy. Second Term, M. 8.40, W. 10
Second Term, T. 1, Th. 1 (1½)

Selections from Books I, XXI and XXII. The history of the Punic Wars. With special attention to the idioms and the derivation of words. Second term, three hours. Required of all Freshmen, same as 71. (Westcott's Livy.)

73. Latin Grammar and Prose Composition. First Section, M. 3
Second Section, F. 10 (1)

A careful review of the grammar combined with original work in composition on the part of the student. Throughout the year,

one hour. Required of all Freshmen, same as 71. (Allen and Greenough's Latin Grammar. Arnold's Latin Prose, revised by Bradley.)

74. Horace. First Term, M. 11, W. 11 (1)

Odes and Epodes. Selections with special study of the biographical, historical and mythological allusions and frequent practice in scanning the meters of Horace. First term, two hours. Required of all Sophomores taking Latin. (Bennett and Rolfe's Complete Horace.)

75. History of Rome. Second Term, F. 11 (½)

A careful survey of Roman History with special emphasis on the leading events. Second term, one hour. Required of all Sophomores taking Latin. (Botsford's Rome.)

76. Horace. Second Term, M. 11, W. 11 (1)

Satires and Epistles, especially the Ars Poetica. Selections with special reference to the beauty of thought, the felicity of expression and the philosophical value of the works of Horace. Second term, two hours. Required of all Sophomores taking Latin. (Bennett and Rolfe's Horace.)

77. Roman Literature with Dissertations. First Term, F. 11 (½)

The study of a good text-book supplemented with original dissertations on the leading Latin authors read before the class. First term, one hour. Required of Sophomores taking Latin. (Mackail's Latin Literature.)

78. Cicero. First Term, T. 10, Th. 3 (1)

De Oratore. Selections with a survey of Roman oratory and special reference to the rhetorical value of the work. First term, two hours. Elective for Juniors. (Owen's De Oratore.)

79. Plautus and Terence. Second Term, T. 10, Th. 3 (1)

The Captives and the Andria, with an introductory study of Roman Comedy. Second term, two hours. Elective for Juniors. (Elmer's Captivi and Fairclough's Andria.)

80. Tacitus. Hours to be arranged (1)

The Germania and the Agricola. With a special study of the purpose of these works and the conditions of the period of Roman History. First term, two hours. Senior elective. (Church and Brodribb's Agricola and Germania.)

81. Lucretius. Hours to be arranged (1)

Selections from De Rerum Natura with a survey of Roman Philosophy. Second term, two hours. Elective. (Lee's Lucretius, Books I-III.)

82. Roman Antiquities.

Assigned topics will be treated in original dissertations to be read before the class, throughout the year in connection with the Senior courses in Latin. Required of such Seniors as intend to study theology; elective for others.

83. Latin Literature in English.

For this course no knowledge of Latin is necessary. It will treat the subject as literature to be studied in standard and idiomatic English translations. Elective for all Juniors and Seniors.

84. Roman Law.

An elementary survey of the subject with special reference to its relations to modern law. Elective for Juniors and Seniors taking Latin. (Hadley's Lectures and Robinson's Roman Law.)

85. Early Latin.

Latin Inscriptions. Elective for Juniors and Seniors taking Latin. (Lindsay's Latin Inscriptions.)

86. Roman Archaeology.

Elective for Juniors and Seniors taking Latin.

ENGLISH

ASSISTANT PROFESSORS SIMPSON AND BROWN

The courses in English are planned to give in the first two years a thorough drill in composition, oral and written; some acquaintance with the fundamental ideas of literary criticism as applied to the principal types of verse and prose; and a general knowledge of the historical outlines of English literature.

In choosing their electives in the Junior and Senior years students are advised to supplement the required courses (the drama and the novel) by taking one or more courses in English poetry. Students who entered with poor prepara-

tion in composition and have not made up the deficiency to their own satisfaction are advised to take that subject as an elective.

ENGLISH COMPOSITION

90. Freshman Composition. Second Section, T. 11, Th. 11 (2)
First Section, W. 11, F. 11 (2)

ASSISTANT PROF. SIMPSON

The theory and practice of exposition, first term, and narration and description, second term. The reading and analysis of selected classics as illustrations of the principles of rhetoric. Many short themes and longer ones at intervals. Both terms, two hours.

91. Sophomore Composition. Second Term, M. 8.40 (½)

ASSISTANT PROF. SIMPSON

The writing of from fifteen to twenty long themes. Criticism in the class and in conferences. Students in this course are expected to learn the use of the indexes and bibliographies in the college library and to gather material there. One hour, second term.

92. Advanced Composition. First Term, hours to be arranged (1)

ASSISTANT PROF. SIMPSON

An elective course for Juniors and Seniors arranged to suit the needs and desires of those who apply. First term, two hours.

101. Journalism. Second Term, hours to be arranged (1)

ASSISTANT PROF. SIMPSON

A course in the writing of news, including brief items, news-stories, interviews, and editorials. Elective for Seniors and Juniors. Two hours, second term.

ENGLISH LITERATURE

93. American Poetry. First Section, First Term, M. 11 (½)
Second Section, First Term, M. 10 (½)

ASSISTANT PROF. SIMPSON

Readings in Bryant, Poe, Emerson, Longfellow, Whittier, Holmes, Lowell, Whitman, and Lanier. Especial attention to the technique of verse and the types of poetry. Freshman required.

94. History of English Literature. M. 3, F. 8.40 (2)

ASSISTANT PROF. SIMPSON

Lectures, study of a text-book such as Crawshaw's, or Pancoast's English Literature, and readings in poetry and prose. First term and second term, Sophomore, two hours.

95. The Rise and Development of the English Drama. T. 8.40; F. 1 (2)

ASSISTANT PROF. BROWN

A study of the evolution of the English drama from the Miracle plays to the dramas of Pinero, Jones, and Shaw, illustrated by the reading of representative plays of each period including all the plays of Shakespeare.

Both terms, Junior required of A.B., and Ph.B. students, two hours.

96. The Rise and Development of the English Novel. M. 2, Th. 1 (2)

ASSISTANT PROF. SIMPSON

The reading of typical prose fiction of each century and period from Malory to Thomas Hardy. First and second terms, Senior required, for A.B. and Ph.B. Elective for Juniors.

97, 98. The Romantic Poets and the Victorian Poets. W. 3, F. 3 (2)

ASSISTANT PROF. BROWN

The Romantic Poets. *First term.* The Victorian Poets *Second term.* Lectures on the growth of the Romantic Movement in England, France and Germany. Extensive readings in the poetry of Burns, Coleridge, Wordsworth, Byron, Shelley, Keats, Tennyson, Browning, Arnold, Rossetti, Morris, Swinburne, Kipling. A study of representative criticisms of the poets read. Both terms, Senior elective, two hours.

99. Modern Essayists. First Term, T. 3, F. 1 (1)

ASSISTANT PROF. SIMPSON

Macaulay, Lamb, Ruskin, and others are studied with attention to subject-matter, structure, and style. First term, Senior elective for A.B. and Ph.B. students, two hours.

100. Spenser. Second Term, T. 3, F. 1 (1)

ASSISTANT PROF. SIMPSON

The Faerie Queene and the lyrical poems of Spenser. This course is intended to exemplify the thorough study of an author and his time. Second term, Senior elective for A.B. and Ph.B. students, two hours.

PUBLIC SPEAKING

102. Elementary Course. Second Term, I Section, T. 11; II Section, F. 11 (½)

ASSISTANT PROF. BROWN

Training in public reading. Attention is paid to individual defects. Second term, Freshman required, one hour.

103. Advanced Course. First Term, Tues. 10 (½)

ASSISTANT PROF. BROWN

A study of the theory of public speaking. Delivery of committed selections. First term, Sophomore required, one hour.

104. Oratory. T. 1 (1)

ASSISTANT PROF. BROWN

A practical course in public speaking. The aim of this course is to enable the student to speak fluently and effectively before an audience. Both terms, Junior and Senior elective, one hour.

105. Advanced Oratory. Hour to be arranged (1)

ASSISTANT PROF. BROWN

The preparation and delivery of orations and addresses for special occasions. Extemporaneous speaking. An analytical study of the world's best orations. Elective for Seniors who have taken Course 104. Both terms, one hour.

GENERAL LITERATURE

106. World Literature. W. 1 (1)

ASSISTANT PROF. BROWN

The reading of the world's great books in the best translations. Homer's Iliad and Odyssey, Dante's Divine Comedy, Milton's Paradise Lost, Cervantes' Don Quixote, and Goethe's Faust will be read and discussed. Lectures on European Epics and European Litera-

ture to the close of the Renaissance. Studies in Comparative Literature. Both terms, Senior and Junior elective, one hour.

107. Contemporary Literature. Hour to be arranged (1)

ASSISTANT PROF. BROWN

A survey of contemporary European and American Literature. The reading of selected works of Turgenev, Tolstoi, Sienkiewicz, Zola, Loti, Fogazzaro, Lagerlöf, Björnson, Ibsen, Hauptmann, Sudermann, Rostand, Maeterlinck, D'Annunzio, Echegaray, and leading British and American authors of the present day. Both terms, Senior and Junior elective, one hour.

ELECTIVE COURSE OMITTED IN 1914-1915

101. Eighteenth Century Essayists. (1)

ASSISTANT PROF. SIMPSON

The growth of the periodical essay, and the social and literary ideals of the period. First term, Senior, two hours. This course alternates with Modern Essayists.

THE MODERN LANGUAGES.

PROFESSOR WACKERNAGEL, ASSISTANT PROFESSORS FRITCH AND BROWN

The study of the Modern Languages is a regular part of the College Course. This department receives a full proportionate share of time and attention, and stands upon the same basis in this respect as Greek, Latin, or English; German, French, Spanish and Italian are taught both as living languages to be acquired as a medium of communication and as treasure-houses of scientific, theological and literary material, the key to whose wealth must be owned and readily used by the post-graduate student. Our experience enables us to assert that any student of respectable intellect and industry can acquire the ready use of these languages for conversation, business, or discourse, by embracing the advantages offered him in this department.

In addition to this practical study, a considerable portion of time is given to the direct study of Literature, and of selected works of the greatest authors.

GERMAN DEPARTMENT

PROF. WACKERNAGEL AND ASSISTANT PROF. FRITSCH

110. First Section, T. 2, Th. 3 (2)
Second Section, T. 10, W. 3

ASSISTANT PROF. FRITSCH

Joynes and Wesselhoeft's German Lesson Grammar, Part 3. Schrakamp's Deutsche Heimat. Heyse's Hochzeit auf Capri. German Bible. Exercises in German script and memorizing of German poems. Two hours, Freshman required, unless French is taken.

111. M. 2, W. 11 (2)

ASSISTANT PROF. FRITSCH

Gore's German Science Reader. Required of Scientific and Philosophical Freshmen. Two hours a week.

112. First Section, M. 8.40, W. 8.40 (2)
Second Section, M. 1, T. 11

ASSISTANT PROF. FRITSCH

Schiller's Wilhelm Tell or Jungfrau von Orleans. Schiller's Ballads or Goethe's Hermann und Dorothea. Sophomore. Required of Philosophical students; required of others unless French is taken. Two hours a week.

113. T. 8.40 (1)

ASSISTANT PROF. FRITSCH

Helmholtz's Populäre Vorträge. Sophomore. Required of Scientific and Philosophical students. One hour a week.

114. W. 1, Th. 2 (2)

ASSISTANT PROF. FRITSCH

Lessing's Minna von Barnhelm. Goethe's Iphigenie auf Tauris Freytag's Die Journalisten. German composition. Junior. Philosophical and Classical elective. Two hours a week.

115. M. 8.40; F. 8 (2)

PROF. WACKERNAGEL

Wait's German Science Reader. Dippold's Scientific German Reader. Junior Scientific elective. Two hours a week.

116. T. 10, F. 3 (2)

PROF. WACKERNAGEL

Priest-Klee, History of German Literature. Fossler's German Idioms and Conversation. Freytag's Doktor Luther. Max Mueller's Deutsche Liebe. Essays. Senior Classical and Philosophical elective. Two hours a week.

117. M. 3, W. 11 (2)

PROF. WACKERNAGEL

Bock-Camerer, Bau, Leben und Pflege des menschlichen Koerpers, Koelsch, Biologische Spaziergänge. Dubois-Reymond's Vorträge. Senior Scientific elective. Two hours a week.

ROMANCE LANGUAGES.

FRENCH

PROF. WACKERNAGEL

130. Hours to be arranged (2)

Aldrich and Foster's Grammar, and Reader. Freshman Classical elective. Two hours a week.

131. M. 11, W. 8.40 (2)

Aldrich and Foster's Grammar. Mariotte-Davis' Elementary Scientific Reader. Required of Scientific and Philosophical Freshmen. Two hours a week.

132. M. 1, Th. 3 (2)

Bacon, Une Semaine à Paris. Laboulaye's Contes Bleus. Feuillet's Roman d'un Jeune Homme Pauvre and other works. Sophomore Classical elective. Two hours a week.

133. M. 2, Th. 8.40 (2)

Bacon, Une Semaine à Paris. Bowen's Scientific Reader. Required of Philosophical Sophomores; required for others unless German is taken Two hours a week.

134. M. 10, F. 11 (2)

Newson's French Daily Life. Racine's Athalie and Esther. Maupassant's Contes Choisis. Sand's La Mare au Diable. Classical and Philosophical Junior elective. Two hours a week.

135. Hours to be arranged (2)

Newson's French Daily Life. Dike's Science French Prose. Scientific Junior elective. Two hours a week.

136. Th. 1, F. 8.40 (2)

Dowden's History of French Literature. Halvy, L'Abbé Constantin. Moliére, L' Avare. Chateaubriand's Atala. Classical and Philosophical Senior Elective. Two hours a week.

137. Hours to be arranged (2)

Foncin, Le Pays de France. Faideau and Robin, L'Homme. Scientific Senior elective. Two hours.

SPANISH

PROF. WACKERNAGEL

150. M. 8, W. 8 (2)

Hills & Ford, Grammar. Giese & Cool, Spanish Anecdotes. The Spanish New Testament. Elective for all Juniors. Two hours a week.

151. T. 8, Th. 8 (2)

Fitzmaurice-Kelley's History of Spanish Literature. Bonilla's Daily Spanish Life. Taboada's Cuentos Alegros. Moratin, El Si de las Ninas. Elective for all Seniors. Two hours a week.

ITALIAN

ASSISTANT PROF. BROWN

160. (1)

Sauer's Italian Conversational Grammar. Bowen's Italian Reader. Selections from Dante's Inferno. Both terms, Junior and Senior elective, one hour.

HISTORY.

ASSISTANT PROFESSOR JAMES H. S. BOSSARD

The aim of the Department of History is three-fold:

(1) To give the student a comprehensive and progressive survey of the historical development of Western Europe.

(2) To familiarize the student with our American History from the early days of colonization down to the present time, with special attention to the economic and social life of the people.

(3) To keep in mind the continuity and evolution of history so as to give the student that sense of historical perspective without which he cannot fathom the significance of modern movements.

All of the courses are lecture courses, supplemented by collateral readings and reports.

170. Europe Since 1815. W. 1, F. 1 (2)

An account of some of the important political events in European history since 1815, such as the Congress of Vienna and the movement of reaction; the revolutionary movements of 1830 and

1848; the union of Italy; the reconstruction of Germany and founding of the German Empire; the British Empire in 19th century; the rise of the Balkan States; the expansion of Europe in Asia and Africa; partition of Africa. Special emphasis laid upon social conditions and industrial changes. Two hours throughout the year. Required of all Freshmen.

171. The Rise and Development of the Medieval Church. M. 10, Th. 10 (2)

Early organization of the Church; the Persecutions; Christianity as the state religion; Development of the papal power; Monasticism and conversion of northern Europe; nature of the Medieval Church—its powers, jurisdiction and influence; heresies and the friars; the Popes at Avignon; the Great Schism. Two hours a week throughout the year. Required of all Sophomores.

172. Mediaeval Life and Institutions. First Term, T. 3 (½)

A discussion of some of the more important institutions of the Middle Ages, such as the judicial system of the Germans, the revival of the Roman Law, feudalism, rural and town life, the communes, education and the Universities, and the Renaissance movement. One hour, first term. Required of A.B. and Ph.B. Juniors. Elective for others.

173. Studies in the Reformation Period and the French Revolution. Second Term, T. 3 (½)

A study of the intellectual, social, economic and political movements which caused the Reformation; significance and results of the movement. The causes and courses of the French Revolution, its effect upon France and other countries of Europe, Napoleon and the Napoleonic wars. One hour a week. Second term. Required of A.B. and Ph.B. Juniors. Elective for others.

174. The Historical Development of the American Colonies Down to 1789. T. 11, W. 2 (2)

European background and underlying motives of early voyages of discovery and exploration; the chartered companies; social, economic and religious background for English colonization; the colonial life in its various aspects; the larger phases of the colonial wars; side lights upon the Revolutionary period; economic adjustment after the war. Two hours a week throughout the year. To be given in 1915-1916.

175. American History Since 1789. (2)

Expansion of the United States; acquisition and use of public domain; movements of population; slavery, its abolition and the problems of Reconstruction; industrial, financial and commercial growth of the country; the life of the people. Two hours throughout the year. Omitted in 1915-1916.

One of these two courses must be taken by all A.B. and Ph.B. students in Junior or Senior year. Both may be taken.

THE DEPARTMENT OF SOCIOLOGY AND ECONOMICS.

ASSISTANT PROFESSOR JAMES H. S. BOSSARD

The aim of this department is three-fold:

(1) To give the student, as a general foundation, a survey of the principles which govern our economic and social life.

(2) To give, as far as possible, an insight into the practical problems which confront the American people; an insight which no man in our time can afford to be without, especially if he lays any claim to education and culture, and an insight which will foster study, deliberation and observation in later and maturer years.

(3) To give the foundation and elementary drill for post-graduate work.

190. Economics. T. 10, Th. 11 (2)

A study of economic theories and principles. Discussion of practical problems, such as the Conservation of Natural Resources; the Public Health Movement; the Risks of Labor; Child Labor; Women in Industry; Unemployment; Business organization; Trusts; the Tariff; the Currency Problem; the Labor Problem; Socialism; etc. Two hours a week throughout the year. Required of Ph.B. Juniors. Elective for all upper classmen.

191. Sociology. M. 11, T. 2 (2)

This course is designed to cover briefly the most fundamental points in sociological theory. Study of cause and effect in society. The factors of physical environment, heredity, psychological influ-

ences are considered. Problem of social debtor classes. Purposive organizations for social betterment are reviewed and practical problems considered. Two hours a week throughout the year. Required of Ph.B. Seniors. Elective for other Seniors.

192. American Racial Problems. Hour to be arranged (1)

The negro and the Indian. Causes and conditions of Immigration. Social and economic effects upon the United States. The assimilation of the immigrant. Special attention will be paid to present problems relating to the Chinese, Japanese, Italians, Slavs, etc. One hour a week throughout the year. Elective for Juniors and Seniors. Hour to be arranged at convenience of students and instructor.

193. Studies in the Rural Field. (1)

This course is primarily intended for those students taking agricultural chemistry or primarily interested in rural work. An account of changes in population; farm ownership and its problems; the country school; the country church; social life; the rural health movement; the Grange; constructive programs. One hour a week throughout the year. Elective for Juniors and Seniors. Hour to be arranged at the convenience of students and instructor. Omitted in 1915-1916.

194. Social and Vital Statistics. (1)

This course aims to prepare the student to collect, with accuracy and completeness, the data for social work as well as to arrange them, and make use of most important material in the fields of economic and sociological research. Special emphasis is laid upon the need for caution in use of statistics. Fundamental principles are developed in conection with practical problems.

Elective for Juniors and Seniors. One hour a week throughout the year. Hour to be arranged. Omitted in 1915-1916.

MATHEMATICS.

PROFESSOR BAUMAN.

This department aims at the following results:

1. To train the mind to reason clearly and logically.

2. To teach the student to be exact, quick of comprehension, and systematic in presentation.

3. To impart facility in applying mathematical principles to practical problems.

4. To lay the foundation for future special work in the various branches of the subject.

200. Higher Algebra. First Section, T. 8.40, Th. 8.40 (2)
Second Section, M. 8.40, F. 8.40

Radicals, imaginary quantities, quadratic equations, proportion, progressions, binomial theorem, logarithms, permutations and combinations, series, theory of equations, including graphical representation of functions, and Horner's Theorem. Two hours a week for the whole of the Freshman year. Wentworth's Higher Algebra.

201 and 202. Solid Geometry and Plane Trigonometry.
First Section, F. 10
Second Section, W. 10 (1)

Solid Geometry. Lines and planes in space, polyhedral angles, prisms, pyramids, similar polyhedrons, cylinders, cones, prismatoid formula, numerous practical problems. One hour a week for the Freshmen during fall and winter. Wentworth's Revised Solid Geometry.

Plane Trigonometry. Trigonometrical functions, solutions of right triangles, practical applications. One hour a week for Freshmen during the spring. Wentworth's Plane Trigonometry.

203, 204, 205, 206. First Section, M. 2, T. 2
Second Section, W. 8.40, F. 1

203. Trigonometry. Goniometry, solutions of plane oblique triangles, numerous practical applications in the measurement of heights and distances, right and oblique spherical triangles, application to astronomical problems. (See under 206.)

204. Surveying. Land surveying, triangulation, leveling, railroad surveying, many practical problems and some illustrative field work. (See under 206.)

205. Spherical Geometry. Sections of spheres, tangents to spheres, spherical triangles, measurement of spherical surfaces and volumes, practical applications. Wentworth's Revised Solid Geometry.

206. Navigation. Plane sailing, parallel and middle latitude sailing, traverse sailing; some nautical astronomy. Wentworth's Trigonometry, Surveying and Navigation. The last four courses are taken in succession twice a week during the Sophomore year.

208. Analytical Geometry, Plane and Solid.
T. 10. Other hour to be arranged (2)

This is an extensive course based on Wentworth's "Analytical Geometry." Elective for Juniors. Two hours a week throughout the year.

209. Calculus. Th. 2, and two more hours to be arranged (3)

Differentiation of algebraic and transcendental functions. Integration of monomials, binomials, rational fractions and infinite series, together with double integration and many practical applications in the calculation of areas, volumes, surfaces, moment of inertia, etc. Three hours a week. Elective for Seniors. Osborne's Differential and Integral Calculus.

210. General Astronomy. Hours to be arranged (2)

This course includes a thorough study of the facts and theories of astronomy together with mathematical demonstrations. The study is illustrated by field work with a good portable four-inch telescope. Two hours a week during Senior year. Young's General Astronomy. Elective.

PHYSIOGRAPHY AND METEOROLOGY

211. Physiography. First Term, hours to be arranged (1)

This course is elective and is especially intended for those who owing to circumstances cannot elect Geology, Astronomy, and Meteorology as principal subjects, and yet desire a fair knowledge of the facts and principles of these sciences. Two hours a week for the first term of the Junior year. Hinman's Eclectic Physical Geography.

212. Meteorology. Second Term, hours to be arranged (1)

This embraces the elements of the science as given in Davis' Elementary Meteorology, together with practical work. Elective, two hours a week in the second term of the Junior year.

DEPARTMENT OF NATURAL AND APPLIED SCIENCE.

PHYSICS AND CHEMISTRY.

PROFESSOR REESE AND MR. FASIG

The course in Physics and Chemistry is intended to be intensive rather than extensive. The endeavor is made to teach *thoroughly* and impart a clear-cut knowledge of the *fundamentals* of the above-named sciences. The attention of the student is also directed to their practical applications.

The primary object of the course in physics and chemistry is to furnish the classical student a basis for the explanation of the phenomena presented to him in his daily life. The elective work will prepare the student for advanced work after graduation.

In the laboratories the student receives the *personal* attention of the professor and instructor during the laboratory period. The laboratories are open, however, from nine a. m. to five p. m. every day, so that work may be done during any part of the day, provided that it will not interfere with other classes.

Stress is laid on the keeping of a notebook on both the lecture and laboratory work. The notebooks are carefully corrected and returned to the student with suggestions and references to the work in hand. If the laboratory work be poorly done, it will be repeated until good results are obtained. But if after earnest effort the pupil cannot find the error the professor will review with him that part of the work in which the error occurs.

The department has a good equipment. A stereopticon with vertical attachment, optical bench and accessories for same, together with slides illustrative of physics and chemistry, especially the industrial side, is at the disposal of the department.

It is further equipped with a reflecting goniometer by Fuss, refractometers, spectroscope, polariscope, etc.

PHYSICS

220. General Physics. M. 11, W. 8.40 (2)

PROF. REESE

Lectures and recitations. The endeavor is made to present the subject in such a way that its different branches may be correlated in one science of energy. The lectures are illustrated and all the experiments planned to keep the above object in view.

The phenomena and practical applications based on physical principles with which the student comes in daily contact are especially emphasized. Junior year. Required of A.B. and Ph.B. students.

221. College Physics. Junior Year—T. 11, Th. 11 (2)
Senior Year—M. 10, T. 10 (2)

PROF. REESE AND MR. FASIG

Standard college course with laboratory work. Junior and Senior years. Required of Scientifics.

222. Laboratory Work in General Physics.
Junior Year—F. 1-5 (2)
Senior Year—W. 1-5 (2)

PROF. REESE AND MR. FASIG

The experiments are for the most part quantitative in character and give practice in mechanics, heat, light, electricity and sound. The laboratory work will be prefaced by several lectures on methods, determination and use of data, graphic methods, interpretation of results, etc. Junior and Senior years. Required of B.S. students, elective for others.

CHEMISTRY

230. General Course. T. 1, Th. 1 (2)

MR. FASIG

This course constitutes an introduction to the study of chemistry. No previous knowledge of the subject will be assumed. The work of the first term is devoted to the laws and theories on which the science is built. The remainder of the year is devoted to the study of the metals, their occurrence, preparation and industrial value. Sophomore year. Required of all A.B. and Ph.B. students.

231. Laboratory—General Chemistry. W. 2-5 (2)

MR. FASIG

The work will be devoted particularly to the study of acids, bases, salts, air, water, soil and a short course in the separation of the metallic and acid radicals. Sophomore year. Required of all A.B. and Ph.B. students.

232. General Chemistry for B. S. Students. Th. 10, F. 10 (2)

PROF. REESE

This is a more advanced and thorough course than 230. Required of all Freshmen B.S. students throughout the year.

233. Laboratory—General Chemistry for B. S. Students.
First Semester, T. 1-4, Th. 1-4 (2)

PROF. REESE AND MR. FASIG

This course is particularly designed to supplement course 232. It is designed to illustrate and elucidate the fundamental principles

of the science; to exemplify the simpler methods of chemical preparation and to develop the manipulative skill of the student. First semester. Required of B.S. Freshmen.

234. Qualitative Analysis. Second Semester, T. 1-5, Th. 1-5 (2)

PROF. REESE AND MR. FASIG

This is mainly a laboratory course, with frequent conferences and quizzes on the chemical reactions involved and lecture demonstrations on the practical work. The separation of the more common metallic and acid radicals forms a basis of the laboratory work. The endeavor is made to have the work so done that the student will be enabled to analyze any mineral or inorganic technical product, soluble or insoluble. Prerequisite 233. Second semester. Required of B.S. Freshmen.

235. Quantitative Analysis. First Semester, T. 1-5, Th. 1-5 (2)

PROF. REESE AND MR. FASIG

The course will be divided into three parts: (1) Calibration of weights, flasks, etc. (2) Volumetric analysis. (3) Gravimetric analysis. While the more familiar determinations in these groups will be required, the amount of ground covered in each will depend on the student's ability and the time he can devote to the subject. Prerequisite 232, 233, 234. Required of scientific Sophomores, elective for others. First semester.

236. Organic Chemistry.

Second Semester Junior Year and entire Senior Year

PROF. REESE

Lectures, recitations and laboratory work. The lecture and laboratory courses combined give a thorough knowledge of the elementary compounds of carbon. Second semester Sophomore and Junior year. Required of Scientifics; elective for others. Textbook: Organic Chemistry, Perkins and Kipping. Prerequisite 232, 233.

237. Organic Synthesis. Hours to be arranged (2)

MR. FASIG

Senior elective. Prerequisite 232, 233, 234, 235, 236.

238. Technical Analysis. Hours to be arranged (1½)

PROF. REESE AND MR. FASIG

Cement, clays, iron, steel, soap, oils, fuels, ores, and gas analysis. In many of the above, such as cement and clays, the physical tests will also be made. Prerequisite 232, 233, 234, 235. Senior elective.

DEPARTMENT OF BIOLOGY.

PROFESSOR BAILEY.

The courses of the Biological Department have been so arranged as to offer work to the students throughout the Junior and Senior years.

The courses have been so designed as to meet the requirements of those students who desire general collegiate culture and also those who expect to enter the professions of medicine and teaching.

The work in Mammalian Anatomy and Embryology has been especially arranged for prospective medical students. All of the other courses are equally valuable to both the general and special students.

Throughout the Biological courses emphasis will be laid upon the economic features of the science and whenever possible such forms of life will be chosen for study as possess economic as well as systematic value. Especial pains will be taken to familiarize the student with those forms of animals, insects, trees and flowers which bear some relation to man. The purpose of the entire Biological course is to offer such information and present such opportunities to the students as will lead to practical benefit in after life.

Considerable Biological material has been mounted up for class demonstration purposes and will be used regularly in each of the courses. A large number of lantern slides has also been accumulated and in each of the courses the class and laboratory work will be supplemented by a number of illustrated lectures.

Following is a brief outline of the courses offered:

SOPHOMORE YEAR

The work of this year is divided into two courses, each of which covers a half year's time.

250. Cryptogamic Botany. W. 1-4

A study of myxomycetes—those organisms on the borderland of zoology and botany: algae, fungi, mosses, ferns, etc. Such forms will be selected for study as bear an economic relation to man and special attention will be directed to such forms of fungal life as give rise to diseases of cultivated plants. First term, Sophomore. One half day per week.

251. Phanerogamic Botany. W. 1-4

A large portion of the time will be spent in the field. Efforts will be made so to familiarize the student with trees, shrubs and flowers that he will be able to recognize, name and classify all such within the region accessible for study. The field work will be supplemented by such laboratory instruction as will be necessary. Additions to the college Herbarium will be made, and personal collections of plant life by the students will be encouraged and required. Second term, Sophomore. One half day per week.

JUNIOR YEAR

It has been found best to divide the work of this year into the following three courses, each of which will cover a period of three months' time. In order to conform to the general two-term plan, however, the first two courses are indicated as first term subjects, although, in reality, the second course will overrun the mid-year examination period.

252. Invertebrate Zoology. M. 1-4. Other hours to be arranged.

The morphology, habits, life history and classification of representative invertebrate animal forms will be studied. Emphasis will be laid upon the principles of heredity, the evidence and factors of evolution and interesting instances of parasitism. First term, Junior. Two half days per week.

253. Economic Entomology. M. 1-4. Other hours to be arranged.

The life histories of each of our important insect species (both beneficial and injurious) will be taken up. The student will be taught effective methods of control of all our insect pests. In so far as possible the insect forms will be observed in the field. A mounted collection of 25,000 forms will greatly aid the student in this course. First term, Junior. Two half days per week.

254. Vertebrate Zoology. M. 1-4. Other hours to be arranged.

Representatives of the great classes of fish, amphibians, reptiles, birds and mammals will be studied and the comparative morph-

ology of the various systems and organs noted. Dissections of various animals will be required. The evolution of the various organs will be noted and the habits and life histories of the different groups will be studied in so far as time will permit. The Biological Museum contains mounted or preserved specimens of practically all of the local species of vertebrates. Second term, Junior. Two half days per week.

SENIOR YEAR

The work of this year is divided into three courses, each of which will cover a period of three months' time. As in the case of Sophomore work, in order to adhere to the two-term plan, the first two courses are indicated as first term subjects, although the second course will actually overrun the mid-year examination time.

255. Bacteriology. F. 1-4. Other hours to be arranged (4)

Quantitative examination and isolation of the bacteria in water, milk, soil, air, etc., will be made by students taking this course. The cause and prevention of disease, the problem of sewage disposal, the isolation and study of the various forms of bacteria in various water supplies, etc., are subjects that are included in this course. First term, Senior. Two half days per week.

256. Mammalian Anatomy. F. 1-4. Other hours to be arranged.

A dissection of the cat, and, if time permits, of man will be required. Each of the Mammalian Systems will be studied in detail. This course will give the student a close acquaintance with the structure of the human body. Vestigial tissues will be noted and their significance explained. Mounted skeletons, enlarged models, preserved dissections, charts, etc., offer excellent advantages to those electing this course. First term, Senior. Two half days per week.

257. Histology and Embryology. F. 1-4. Other hours to be arranged.

The principal animal tissues will be studied. The student will be taught methods of fixing, embedding, sectioning, staining and mounting of tissues. Microtomes, compound microscopes, etc., are available.

A study of the origin and development of the various organs of the frog, chick and man will be made. Problems relating to the maturation, fertilization and segmentation of the egg, the origin of the germ layers and the early development of the principal vertebrate tissues and organs are taken up. The student is required to

incubate the egg of at least one vertebrate, and to imbed section and study the embryo of same. Second term, Senior. Two half days per week.

GENERAL BIOLOGY COURSE

258. Senior Lecture Course. F. 11 (1)

This course is designed to meet the needs of those students, who because of other requirements have not been able to elect the regular Junior and Senior Biological courses but who nevertheless desire to obtain a general knowledge of Biological principles and phenomena before leaving college. The course aims to cover, in brief fashion, all of the important phases of Biology. It is in no respect a substitute for the regular courses. An illustrated lecture will be given weekly. Subjects such as the following will receive attention: Botany, Bacteriology, Forestry, Plant Diseases, Zoology, Distribution of Plants and Animals, Economic Biology, Evolution, Paleontology, etc. Both terms, Senior. One hour per week.

DEPARTMENT OF GEOLOGY

PROFESSOR BAILEY

270. Geology. T. 1, Th. 8.40 (2)

The course in Geology is open to members of the Senior class. The course comprises work in structural, dynamic and historical Geology. Chamberlin and Salisbury's College Geology, supplemented by various National and State Geological Reports will constitute the text-book matter of the course. Constant use of the excellent collection of rock specimens in the Geological Museum will be made. Historical Geology is taken up during the last half of the year, and during this time frequent illustrated lectures will be given. Particular attention will be paid to the American Continent. Maps will be drawn, showing the relations of land and sea during each geological period, and the deposited strata and their included organisms will be carefully studied. A complete geological study of Lehigh County will be made, the class taking local field trips and noting outcrops of the different rock formations. A series of charts and a collection of named fossils greatly aids the students in comprehending the plant and animal life of past geological times. Both terms, Senior. Two hours per week.

PHYSICAL EDUCATION.

DR. KLINE AND MR. GEORGE M'CAA

The aim of this department is to guide the normal student to grow symmetrically and to advise the defective who are weak from heredity, poor development or ignorance how to correct these defects, and to quicken the mind to ready action through promptness in class drill.

The tabulations of the present system of medical examinations and physical measurements show the student wherein he exceeds or falls below the average. In addition to the general gymnasium exercises specific directions are given to overcome hereditary or acquired defects. The three-fold record of each student is tabulated and kept by the standard card system and at varying intervals revised by re-examinations.

Classified gymnastics and apparatus work are taught by the physical director. The well-equipped FonDersmith Gymnasium, with adjoining baths, dressing room and lockers, is provided for this work.

A large field for base ball, foot ball, quarter mile running track and tennis courts offers the very best facilities for out-door athletics.

During the fall and spring the Freshmen and Sophomores are given out door work and during the winter inside work in the gymnasium. Additional and special training are offered to all upper classmen.

LITERARY SOCIETIES.

Connected with the institution there are two literary societies, membership in which is optional. Every student is advised to become a member of one of these societies and to take part regularly in its exercises. Debates, declamations, speeches, essays and the like are required in these societies, and familiarity with the application of parliament-

ary law is obtained. The sessions of the societies are held every second Wednesday from 10 to 11. One of these is known as the Freshman-Sophomore Literary Society, and the other as the Junior-Senior.

SPECIAL LECTURES.

A number of special lectures are delivered during the college year by persons eminent for ability in various directions; these are free to all students and alumni of the institution, and have been largely and profitably attended. This feature will be carefully maintained in the future as a source of instruction in specialties, in recent topics of interest, and for general information upon subjects not embraced in the ordinary department work.

LIBRARY AND READING ROOM

PROF. SIMPSON, LIBRARIAN

The College Library is open as follows: 11 to 12 a. m., 2 to 5 and 7 to 9 p. m., and Saturdays 9 to 11 a. m. All books are on open shelves freely accessible to all students. The professors of philosophy, history, sociology and English literature assign a large amount of reading to be done in the library; four or more copies of the most necessary books are provided for this collateral reading.

The books in the reading room, which is open at all times, include the latest edition of the Encyclopedia Britanica, other encyclopedias, Americana, International, Chambers, etc., Warner Library of the World's Best Literature, bound volumes of Harper's Magazine, numbers 1 to 103, and the revised edition of The Century Dictionary and Atlas. The periodicals in the reading room are as follows:

American Magazine, Atlantic Monthly, Century, Collier's, Current Opinion, Dial, Educational Review, Forum, Harper's Weekly, Harper's Monthly, Independent, Judge, Liter-

ary Digest, Littell's Living Age, McClures, Missionary Review, Nation, North American Review, Outlook, Puck, Review of Reviews, Saturday Evening Post, Scientific American and supplement, Popular Science, Outing, National Geographic, New York Times, Philadelphia Press, Ledger and Record, Allentown Morning Call, Democrat, Item, and Chronicle and News, Yale Review, Daheim, Technical World Magazine, American Lutheran Survey, Springfield Republican Weekly, the New Republic Weekly.

The following are kindly sent free:

Advocate of Peace, Commoner, Doylestown Daily Intelligencer, Hamburg Item, Northampton Democrat, American Economist, Our Dumb Animals, Reading Eagle, Locomotive, Public Service, S. Bethlehem Globe, Lutheran, Lutheran Observer, Lutheran Woman's Work, Luther League Review, Der Missionsbote, Foreign Missionary, Sweet Charity, Bible Student and Teacher, Outlook of Missions, Young Folks, Christian Science Monitor.

Up to December 5, 1914, the total number of books accessioned is 20,141. The number added since December 15, 1913 is exactly 600. Gifts were made to the library by the Class of 1900 (30 volumes), Class of 1914, (8), Class of 1917 (8), Dr. Jacob Fry Fund (50), Lutheran Theological Seminary (30), S. G. Simpson (27), Dr. C. H. Martin (7), Euterpean Literary Society (51). The remainder of the books added were paid for chiefly from the "current fund" up to the beginning of this year. Beginning with this year a library fee of two dollars a year is paid by each student.

During the summer the librarian with the assistance of Mr. Ernest Keiter of the Class of 1915 completed the catalog of works in English in the following departments: Fiction, Philosophy, Sociology, Foreign Literature, Biography, and History. The principal departments remaining are English and American Literature, Philology and Religion.

Printed cards from the Library of Congress were used as far as possible. As far as the work has been completed the books are now listed by authors, titles, and under several subject headings.

NEW BUILDINGS.

After occupying the buildings situated in the southeastern part of Allentown since 1867, Muhlenberg College has been moved to the western section of the city where it now possesses a site of seventy-two acres of land, on which a commodious modern college-plant has been built.

THE ADMINISTRATION BUILDING.

This building occupies the highest part of the new college grounds, facing south, and is 190 feet long and 65 feet wide, three stories high, with a basement. It is built of a pink granolithic stone, with Indiana lime-stone trimmings, in the English Renaissance style of architecture. The façade shows a central tower, which is flanked with gables on each end, the intervening wall being topped off with dormer windows.

The basement contains a gymnasium with bath and locker-rooms, a basket-ball room, bicycle and coat rooms, lunch room and Physical Director's room. The first floor contains a reception-room, offices for the President and Treasurer, the latter connecting with a fire-proof vault, chapel, and five recitation-rooms.

The second floor contains the library and reading-rooms, physical and biological laboratories, and four recitation-rooms.

The third floor contains two large literary society halls, and rooms for "The Muhlenberg," Press Club, Glee Club, museums of geology and botany.

The building is of what is known as "slow-burning construction," with iron staircases, heated by steam and lighted with electricity, supplied from a central plant. Its appointments and furnishings are modern throughout.

THE DORMITORIES.

The general scheme of the dormitories is that of a rectangle, following a typical Oxford or Cambridge system. They are divided into sections accommodating from twelve to sixteen students each, and are entered from the quadrangle through separate doorways, each section having its own hall and staircase with rooms on either side. All the sections are supplied on each floor with steam heat, electric light, hot and cold water, shower baths, and toilet-rooms.

The main entrance to the dormitories is flanked with towers which contain, on the first floor, an office, a reception-room, a janitor's room, and a baggage-room.

The front elevation of the principal dormitory is 183 feet long and three stories high. This building is called "Berks Hall," in honor of the Lutherans of Berks County, Pa., who have undertaken to raise $35,000 to pay for its erection. It accommodates seventy-five students.

Mrs. Anna Louisa Rhoads, of Reading, Pa., has erected an additional section along the eastern side of the rectangle as a memorial for her son, John Warren Rhoads.

Luther League Hall has been erected by the Luther Leagues of the Ministerium of Pennsylvania. This section of the Dormitory has begun the western side of the rectangle.

Three new sections of the dormitories were added in the fall of 1914.

POWER PLANT.

A completely equipped power-plant furnishes an ample supply of steam heat and electric light for all the buildings on the college grounds. In this building comfortable provision has been made for the chemical laboratory and dissection room.

THE COMMONS.

The Athletic Association has erected a beautiful, well-equipped and commodious commons, where all dormitory students are required to take their meals. The price of the board is $3.50 per week. No deductions from this price will be made except in cases where students are absent for one full week or more.

PRIZES.

During the year the following prizes have been announced, competition for which is subject to the rules of the Faculty, and the assigning of which is in the hands of committees appointed for this purpose. The decision will be announced on Commencement day. Friends of the institution are urged to increase the number of these prizes, especially for the lower classes.

The Amos Ettinger Honor Medal, to be assigned to that member of the Senior Class having attained the highest average grade during the year, in all his studies. Presented by Professor George T Ettinger, Ph.D. ('80).

The President's Senior Prize. A prize of Ten Dollars to be awarded to that member of the Senior Class writing the best original essay in the department of philosophy. Subject for 1914: "Evolution and Purpose." Presented by President J. A. W. Haas, D.D., LL.D.

The Clemmie L. Ulrich Oratorical Prize. Twenty-five Dollars to that member of the Junior Class making the best speech in English, as to manner and matter, at the Junior Contest. Presented by bequest of Clemmie L. Ulrich, Annville, Pa.

A Second Junior Oratorical prize, given by the class of 1908, to be awarded to the man making the second best speech in English.

The President's Junior Prize. A prize of Ten Dollars to be awarded to that member of the Junior Class presenting the best original essay in the department of English. Subject for 1914: "The Realistic Novel of the Present Generation." Presented by President J. A. W. Haas, D.D., LL.D.

The Reuben D. Wenrich, M.D., Prize. A prize of Ten Dollars to be awarded to that member of the Sophomore Class having attained the highest average grade in all his studies.

The Reuben J. Butz Botanical Prize of Ten Dollars given to that student who makes the best collection of local flora (including ferns). Open to all students of Botany.

The Charles D. Boschen German Prize of Ten Dollars presented to that member of the Sophomore class making the best examination in such special work as may be assigned in the German Department.

The Dr. H. A. Jelly Prize. A prize of five dollars will be given to that member of the Junior Class taking Biology who makes the most advancement in Biological studies during the year.

The Clayton K. Bernheim Biological Prize. A prize of ten dollars will be given to that member of the Senior Class taking Biology who makes the most advancement in Biological studies during the year.

The Freshman Prize in English. **A prize of Ten Dollars to be awarded to that member of the Freshman Class presenting the best original essay on some subject based on the preparatory work in English. The object of this prize is to stimulate thorough preparation in English. Subject for 1914: "The Stories of Edgar Allan Poe." Presented by Mr. Luther FonDersmith, of Lancaster, Pa.**

The Sociological Prize open for Juniors and Seniors is ten dollars. It is offered by the Class of 1912. The subject for 1914 is: "The Outlook for Industrial Peace."

THE MASTER'S DEGREE.

According to the present rules of the College, graduates of good moral character, who apply for the Master's degree in Arts or Science, must pursue at least one full year's work under the supervision of the Faculty, and present an acceptable type-written or printed thesis.

DEGREES CONFERRED AT COMMENCEMENT

At the annual Commencement, held June 18, 1914, the following Degrees were conferred:

Doctor of Divinity

Revs. A. Steimle, Allentown; A. T. W. Steinhæuser, Allentown E. F. Bachman, Philadelphia.

Doctor of Science

Prof. S. Schmucker, West Chester; Prof. W. H. Reese, Allentown.

Doctor of Literature

Thomas Montgomery, Harrisburg.

Doctor of Laws

Hon. Frank H. Riter, Philadelphia.

Master of Science

Harold S. Pretz, Allentown.

THE ADMINISTRATION OF THE COLLEGE.

GOVERNMENT.

In the administration of the government of the College, no unnecessary or arbitrary regulations are established, but only such laws are insisted upon as are necessary for the common life of Christian gentlemen. No one whose influence is against the general order of the College can expect to continue in attendance.

Whenever dismissal is necessitated as the due punishment corresponding to the offense, all advantages are forfeited. Severer discipline is however avoided, if it be in any way possible.

REGISTRATION.

On the first day of the fall term every new student shall report in person at the office of the Treasurer before 1 p. m. and register his full name and home address, as well as the course he expects to take.

A registration fee of $5.00 will be required in advance.

ELECTIVES.

On or before June 1st of each year, every student shall hand to the Dean a list of the subjects that he elects for the following year, which subjects thus become a part of his regular work. All such elections are subject to the approval of the Faculty.

EXAMINATIONS.

All the classes are examined twice a year, and the results made to count as a proper factor in the class standing.

TERM REPORTS.

Reports of standing in class, conduct, attendance, and the like, are sent to parents or guardians after each examination; and if necessary, special correspondence is had in the intervals.

SCHOLARSHIPS.

Any individual or congregation contributing $1000 to $1500 to the College will receive a permanent scholarship, which secures to the contributor, his assigns, etc., the perpetual right of educating one student in the institution free of expense for tuition and proportionate charges in the Administration Building.

The following is a list of donors having procured such scholarships:

Hon. S. A. Bridges, Allentown, Pa.
James K. Mosser, Allentown, Pa.
Andrew S. Keck, Allentown, Pa.
Thomas Keck, New York, N. Y.
Horatio Trexler, Reading, Pa.
William Saeger, Allentown, Pa.
Alfred G. Saeger, Allentown, Pa.
Charles Burkhalter, New York, N. Y.
Amos W. Potteiger, Reading, Pa.
Mrs. Sarah Miller, Allentown, Pa.
A. Stanley Ulrich, Esq., Lebanon, Pa., and Rev. Aaron Finfrock, Reading, Pa.
A. S. Shimer, Easton, Pa.
John Wagner, Hellertown, Pa.
William A. Arnold, Reading, Pa.
Samuel H. Kutz, Reading, Pa.
Robert H. Sayre, South Bethlehem, Pa.
Henry Stine, Fogelsville, Pa.
Jacob Fegely, Pottstown, Pa.
George H. Reinoehl, Lebanon, Pa.
Edward S. and Sarah Wertz, Reading, Pa.
Charles A. and Annie D. T. FonDersmith, Lancaster, Pa.
John E. Lentz, Allentown, Pa.
Mrs. Caroline Freudenberger, Tamaqua, Pa.

Reuben D. Wenrich, M.D., Wernersville, Pa. This Scholarship has been increased, by the donor, to $1,500.

Rev. Dr. John W. and Mary Sener Rumple Scholarship, endowed by the Rev. John W. Rumple. Value, the interest of $1,500.

St. John's Evangelical Lutheran Church, Allentown, Pa.

Trinity Evangelical Lutheran Church, Reading, Pa., (two owned by the Congregation, and one of $1,250 endowed by the Sunday-school, in memory of Mrs. Sidley).

St. James' Evangelical Lutheran Church, of Reading, Pa., (two owned by the Congregation).

Emanuel Evangelical Lutheran Church, of Pottstown, Pa.

St. John's English Reformed Church, of Allentown, owns the *Frank Erdman Cooper Scholarship,* given to it by C. W. Cooper, Esq., in memory of his son.

The *Luther P. Keller, Jr., Memorial Scholarship,* of St. John's Ev. Lutheran Church, Philadelphia, Pa., was endowed by Luther P. Keller in memory of his son.

The *Henry S. Neff, M.D., Memorial Scholarship,* of St. John's Ev. Lutheran Church, of Philadelphia, Pa., was endowed by George Rugan Neff in memory of his son.

The *Frank Rugan Neff Memorial Scholarship,* of St. John's Ev. Lutheran Church, of Philadelphia, Pa., was endowed by Julietta S. Neff in memory of her son.

The *Henry Melchior Muhlenberg Scholarship* was endowed by Mrs. Mary A. Rogers and Mrs. E. M. Bailey and her son James Muhlenberg Bailey, of New York, in honor of their ancestor, the Patriarch of the Lutheran Church in this country.

The *Henry and Anna Mary Romig Memorial Scholarship* was endowed by Mrs. Isaac Fegely, of Pottstown, Pa., in honor of her parents.

The *Allentown High School Scholarship* is vested in the Public School Board of Control, of Allentown, and is open annually to competition on the part of graduates of the High School.

The *Clemmie L. Ulrich Scholarship* was left by bequest for the use of the Ev. Lutheran Ministerium of Pennsylvania.

Charles Roeller Himmelwright Memorial Scholarship of St. John's Evangelical Lutheran Church, of Quakertown, Pa., endowed by Mrs. Susan Himmelwright in memory of her husband.

The Frank R. Nusbaum Scholarship, of Trinity Evangelical Lutheran Church, Lehighton, Pa., endowed by Mr. Frank R. Nusbaum. Value, the interest of $1,400.

The W. J. Andres Scholarships. Four scholarships, each the interest on $1,500, given by the bequest of Rev. W. J. Andres, especially for students preparing for the ministry.

The *Stephen A. Repass Memorial Scholarship* of St. John's Lutheran Church, Allentown, Pa. Value, the interest of $1,500.00.

The Lizzie M. George Scholarship, given by Mrs. Lizzie M. George, of Annville, Pa. Value, the interest of $1,500.00.

The Aaron B. Walp Scholarship given by Mr. Aaron B. Walp, of Trinity Church, Quakertown, Pa. Value, the interest of $1,500.

The Martin Luther Trexler Scholarship given by Rev. D. D. Trexler in memory of his son Martin Luther Trexler. Value, the interest of $1,500.

The Reber Memorial Scholarship, in memory of Henry Reber, Emma M. Reber and Catherine E. Reber, Auburn, Pa. Value, the interest of $1000.00.

HIGH SCHOOL SCHOLARSHIPS.

The Board of Trustees has also granted a scholarship, representing an annual credit of $50 for tuition, to each of the following High Schools:

The Reading High School.
The Lebanon High School.
The Easton High School.
The Catasauqua High School.
The Hazleton High School.
The Kutztown Normal School.
Millersville Normal School.
Perkiomen Seminary, Pennsburg, Pa.
Bethlehem Preparatory School.

THE CHAS. A. SCHIEREN FUND.

This fund is used to defray the tuition, and if necessary the expenses, of students who have in view the English

Lutheran Ministry. The income of this fund will become available in a few years.

It is hoped that others will follow these examples, and take individual, memorial, or congregational scholarships, as thereby the owner of such a scholarship, apart from educating his own family, will aid worthy and talented but poor young men in securing an education that may fit them for eminent usefulness, and the congregations may have in perpetual training those of their sons that seek the work of the Gospel ministry.

EXPENSES FOR THE COLLEGIATE YEAR.

IN THE ADMINISTRATION BUILDING.

The expenses in the Administration Building will be $90.00, which includes tuition, the use of the College Library, Reading Room furnished and supplied with current literature by the College, Gymnasium, light, heat, and service. A deposit of $1.00 will be required for a locker key in the gymnasium, which will be refunded when the key is returned.

A Registration Fee of $5.00, and a Library Fee of $2.00 will be collected from each student when entering college for the first time.

An athletic fee of $7.50 will be collected annually from each student for the Athletic Association.

Tuition is represented by $50.00, which amount will be credited to those holding scholarships. Those holding scholarships of a larger amount will be credited with the full proceeds of such scholarships on account of expenses in the Administration Building.

Board can be secured at $4.00 per week at the Commons.

The charges for material and the use of instruments in the B. S. course are, for the Freshmen, $6.00; for the Sophomores, $6.00; and for the Juniors and the Seniors, $9.00. All Chemistry students, in all courses, are required to pay a fee of $5.00 and to deposit with the Treasurer $5.00 to cover possible breakages.

For special courses, embracing from one to three subjects of study, the charges will be $25.00 a year.

The scholastic year is divided into two terms for the payment of these charges, which are divided into two equal halves, namely, from September to the end of January, and from the first of February to Commencement. *The College charges of each term must be paid in advance.*

The members of the Senior Class, at the beginning of the second term, pay to the Treasurer an extra fee of five dollars, which will be refunded in case of failure to graduate.

IN THE DORMITORIES.

The room-rent in the Dormitories includes electric light, steam heat, hot and cold water, bath, and service. The rental is always for the whole room or suite, and for the time extending from Monday before the opening of College in September until Saturday after Commencement in June. In case of a double room or double suite, the rent per tenant is one-half the given rent. Students staying on the premises during the day and returning to their homes at night will be assigned either to a double room or to a double suite after all the resident students have been located, and charged one-fourth the rent.

All students must furnish their own rooms, and only iron bedsteads with all iron springs approved by the College are allowed.

The rooms are divided into four classes:

1. Single rooms for one tenant only, where the rent is $55.00.
2. Single suites, a study, and a bedroom, for one tenant only, where the rent is $87.50 on the first and second floors, and $67.50 on the third floor.
3. Double rooms, one large room for two tenants, where the rent is $90.00 on the first and second floors, and $85.00 on the third floor.
4. Double suites, a study, and two bedrooms, where the rent is $140.00 and $150.00 on the first and second floors, and $130.00 on the third floor.
5. Triple suites, a large study and three bedrooms on first and second floors, where the rent is $225.00 equally divided between each occupant.

Rules governing the allotment and rental of rooms as well as the requisite application blanks and forms of leases can be secured from the Treasurer of the College.

ENDOWMENTS, BEQUESTS AND DEVISES.

Higher education, in our country, rests largely upon a charitable basis. No institution offering a liberal education can be maintained by the moderate charges made for tuition. The increasing breadth given to such higher education, and the more exalted standard of architectural effect employed in collegiate buildings, increase enormously the resulting financial strain. No such institution can therefore keep abreast of this ever rising standard of the times without the steady increase of its endowment funds. Muhlenberg College has, in the past, been the recipient of a number of very generous gifts and endowments. But, for the reasons just assigned, it must most earnestly urge its friends and graduates to aid it in furthering its resources, endowing new professorial chairs, founding scholarships, providing funds for the aid of worthy but indigent students, and the other constantly pressing needs of the institution. Attention is also called to the eminent propriety of making bequests to advance the prosperity and widen the usefulness of our institution. As it is important that testamentary papers should be carefully drawn and regularly executed, and our corporation name be written accurately, we append the following forms, respectively for personal property and real estate, indicating whether the bequest is for endowment or the general purposes of the College:

I give and bequeath to "Muhlenberg College," in Allentown, Pennsylvania, and its successors and assigns, forever, the sum of Dollars, to be safely invested by said corporation in good real estate security, and the interest accruing therefrom to be applied to the uses and purposes of said College.

I give and bequeath a certain lot, situated (here described) to "Muhlenberg College," in Allentown, Pennsylvania, and to its successors and assigns, forever, for the uses and purposes of said College, according to the provisions of its charter.

THE ALUMNI ASSOCIATION OF MUHLENBERG COLLEGE.

PRESIDENT: Prof. George T. Ettinger, Ph.D., '80.

VICE-PRESIDENTS: Rev. J. J. Schindel, '96, Allentown, Pa., Rev. W. O. Fegley, '90, Trappe, Pa.

CORRESPONDING SECRETARY AND TREASURER: Ralph H. Schatz, Esq., '08.

RECORDING SECRETARY: Professor J. A. Bauman, Ph.D., '73, Allentown, Pa.

BOARD OF MANAGERS: Willard D. Kline, M.D., '97; Dr. Howard S. Seip, '85, and Prof. Robert R. Fritsch, '00.

The object of this Association is to cultivate friendly relations among the alumni and to promote the interests of Muhlenberg College.

Any graduate of Muhlenberg College may become a member by paying a membership fee of $1, and 50 cents annually thereafter.

It is urgently requested that as many of the alumni as possible join the Association, and thus assist in advancing the objects for which it has been established.

The annual meeting is held on Thursday afternoon of Commencement week.

Further information may be had from the Corresponding Secretary.

THE SATURDAY SCHOOL AND THE SUMMER SCHOOL.

Object. The work is planned to meet the needs of the three following classes of students:

1. Teachers who may desire better training for their work in the classroom or who are preparing to pass examinations for the teacher's certificates;

2. College students who desire advanced standing but must remove conditions before such standing may be granted;

3. Any person who may desire to enter the courses for the purpose of self-improvement.

Admission. All courses are open to men and women who are qualified, in the judgment of the instructor, to pursue them. No examination is required for admission. If the student desires credit in any of the college courses given, he must have satisfied the requirements for entrance to college before entering upon his work.

Fees. No registration fee is charged, except to those who desire college credit.

The charges for instruction in both schools is at the rate of $10.00 for each course of one hour a week in the Saturday School and of one hour a day for six weeks in the Summer School.

Laboratory fees are $5.00 per course.

Time of Opening. Announcements will be sent out as to date of opening of the Saturday School for 1915-1916.

The Summer School 1915 opens July 7th and continues until August 17th.

Courses. The courses, offered in the Summer School of 1915, equivalent to the courses given in the college curriculum are as follows:

Agriculture, biology, chemistry, economics, English, French, German, Greek, history, Latin, mathematics, pedagogy, physics, sociology and Spanish.

The non-collegiate courses offered are as follows:

Agriculture, French German, Greek, Latin, mathematics.

Certificates. Certificates are awarded all those who pass examinations in the various subjects taken.

UNDERGRADUATES.

SENIORS.

Henry A. Bagger,	Classical	Brooklyn, N. Y.
Harrison W. Dubbs,	Philosophy	Emaus, Pa.
Harry B. Fehl	Classical	Reading, Pa.
Mahlon L. Frankenfield	Scientific	Perkasie, Pa.
William A. Freihoffer	Philosophy	Philadelphia, Pa.
Elmer E. Frederick	Philosophy	Allentown, Pa.
Theodore K. Finck	Classical	New Market, Va.
J. Melvin Freed	Classical	Perkasie, Pa.
Newton W. Geiss	Classical	Kutztown, Pa.
Frederick A Hemsath	Scientific	Bethlehem, Pa.
Norbert R. Kauffman	Scientific	Lima, Ohio
Ernest R. Keiter	Classical	Allentown, Pa.
Howard R. Kistler	Scientific	Allentown, Pa.
W. Harold Laury	Classical	Waterloo, Ont.
Nevin L. Loch	Classical	Switzer, Pa.
G. Donald Marks	Classical	Allentown, Pa.
Ralph F. Merkle	Scientific	Allentown, Pa.
Reuben E. Miller	Scientific	Easton, Pa.
Ernest W. Moyer	Philosophy	Perkasie, Pa.
Walter L. Reisner	Philosophy	Millersville, Pa.
Richard J. Schmoyer	Classical	Allentown, Pa.
Arthur D. Seidel	Classical	Reading, Pa.
Harry M. Smeltzer	Philosophy	Reading, Pa.
Henry L. Snyder	Philosophy	Zionsville, Pa.
Edward H. Stoltzenbach	Scientific	Lima, Ohio
Raymond C. Walters	Classical	Rittersville, Pa.
William L. Werner	Classical	Lebanon, Pa.
Theodore F. Wichman	Scientific	Rochester, N. Y.
Levi N. Yiengst	Classical	Lebanon, Pa.
Mark S. Young	Scientific	Allentown, Pa.

Seniors 30.

JUNIORS.

Guerney F. Afflerbach	Philosophy	Quakertown, Pa.
Mayden E. Barner	Classical	Kutztown, Pa.
Harry J. Billow	Classical	Herndon, Pa.
Melville J. Boyer	Classical	Neffs, Pa.
Thomas J. Brennan	Philosophy	Pottsville, Pa.
George Brubaker	Scientific	Lancaster, Pa.

Leland Brunner	Philosophy	Carbondale, Pa.
John G. Davidson	Classical	Coopersburg, Pa.
Richard Duerschner	Classical	Troy, N. Y.
John W. Early	Classical	Reading, Pa.
Clifford Eichner	Classical	Bethlehem, Pa.
Carl A. Erickson	Philosophy	Elmira, N. Y.
Walter O. Ettinger	Scientific	Mt. Bethel, Pa.
Homer D. Everett	Scientific	Long Pond, Pa.
C. Luther Fry	Classical	Philadelphia, Pa.
Harry W. Hepner	Classical	Herndon, Pa.
William H. Hollenbach	Philosophy	Maytown, Pa.
Benjamin A. Hubbard	Philosophy	Scranton, Pa.
David G. Jaxheimer	Classical	Bethlehem, Pa.
Claude M. Laudenslager	Scientific	Allentown, Pa.
Paul L. Lindenstruth	Classical	Wilkes-barre, Pa.
Henry Moehling, Jr.	Classical	Brooklyn, N. Y.
Pern T. Mohn	Philosophy	Shamokin, Pa.
Homer M. Parker	Scientific	Philadelphia, Pa.
William S. Ritter	Scientific	Allentown, Pa.
Roy Rohr	Scientific	Bath, Pa.
W. Russell Rosenberger	Classical	Philadelphia, Pa.
Paul L. Royer	Classical	Rothsville, Pa.
Earl V. Schantz	Philosophy	Allentown, Pa.
Edward W. Schlechter	Philosophy	Allentown, Pa.
Luther C. Schmehl	Scientific	Reading, Pa.
Robley DaCosta Walters	Scientific	Bethlehem, Pa.
Homer A. Weaver	Classical	Coopersburg, Pa.
Earnest A Weber	Classical	Boyertown, Pa.
George C. Weida	Classical	Krumsville, Pa.
Ralph F. Wetherhold	Scientific	Allentown, Pa.
Earl E. Witmer	Classical	Quakertown, Pa.
Russell Young	Classical	Macungie, Pa.
Edward Zimmerman	Scientific	Allentown, Pa.

Juniors 39

SOPHOMORES.

Mark A. Bausch	Classical	Sines Corner, Pa.
W. Frank Bedenk	Scientific	Mansfield, Pa.
Ray J. Belles	Scientific	Montoursville, Pa.
Allan Boyer	Classical	Lebanon, Pa.
Edgar J. Brong	Philosophy	Allentown, Pa.
Wm. Lawrence Caskey	Scientific	Philadelphia, Pa.

Edwin D. Clauss	Classical	Allentown, Pa.
Frank B. Corboy	Scientific	Altoona, Pa.
J. Franklin Day	Scientific	Philadelphia, Pa.
Francis J. Detling	Philosophy	Phillipsburg, N. J.
I. Noble Dundore	Classical	Myerstown, Pa.
James E. Ernst	Philosophy	Mohrsville, Pa.
John R. Euchler	Scientific	Gilbert, Pa.
Norman R. Frankenfield	Scientific	Easton, Pa.
William H. Fitzgerald	Philosophy	Philadelphia, Pa.
Samuel D. Frederick	Scientific	Allentown, Pa.
Waldemar L. Gallencamp.	Classical	Scranton, Pa
Paul J. Gebert	Classical	Tamaqua, Pa.
Edwin R. Haag	Classical	Reading, Pa.
Ernest Harting	Scientific	Allentown, Pa.
Edwin W. Hartzell	Scientific	Bethlehem, Pa.
Louis J. Hayes	Scientific	Philadelphia, Pa.
Wayne W. Heffley	Scientific	Kutztown, Pa.
Peter Henninger	Special	Newberry, Pa.
Joseph T. Hummel	Philosophy	Allentown, Pa.
Thomas B. Keck	Scientific	Allentown, Pa.
Samuel R. Kistler	Classical	Allentown, Pa.
William H. Kethledge	Special	Easton, Pa.
Andrew Kolesar	Pre-Medical	Phillipsburg, N. J.
Henry C. Kraft	Classical	West Hazleton, Pa.
George A. Kunkle	Classical	Aquashicola, Pa.
H. Leslie Landis	Scientific	Harrisburg, Pa.
Leroy L. Leister	Philosophy	Allentown, Pa.
Paul A. Mader	Scientific	Allentown, Pa.
Rev. Ralph A. Mautone	Special	Reading, Pa.
John E. Mohn	Classical	Shamokin, Pa.
John N. Mohr	Scientific	Alburtis, Pa.
Henry H. Moyer	Classical	Aquashicola, Pa.
Antonio Ramirez	Pre-Medical	Porto Rico
Horace B. Reed	Special	Philadelphia, Pa.
Arthur D. Roderick	Special	Hazleton, Pa.
John F. Ruhe	Scientific	Allentown, Pa.
Roland L. Rupp	Philosophy	Breinigsville, Pa.
Victor A. Ruth	Classical	Macungie, Pa.
C. Morris Scheetz	Philosophy	Perkasie, Pa.
Ray E. Schoenley	Philosophy	Allentown, Pa.
William P. Schout	Scientific	Allentown, Pa.
Elwood Schwenk	Classical	Boyertown, Pa.

Fritz E. Sermulin	Classical	Boston,	Mass.
Bela Shetlock	Classical	Egypt,	Pa.
William Shetlock	Philosophy	Egypt,	Pa.
Emory B. Sieger	Philosophy	Coplay,	Pa.
Charles K. Smith	Philosophy	Hazleton,	Pa.
Corson C. Snyder	Classical	Harleysville,	Pa.
Samuel B. Sussman	Classical	Allentown,	Pa.
Robert N. Taylor	Philosophy	Allentown,	Pa.
Charles R. Wirebach	Philosophy	Easton,	Pa.

Sophomores 57

FRESHMEN.

Luther W. Abele	Classical	Allentown,	Pa.
Paul S. Acker	Classical	Allentown,	Pa.
Harvey M. Allabaugh	Classical	Silverdale,	Pa.
John M. Bellan	Classical	Stockdale,	Pa.
Lloyd M. Berkenstock	Scientific	Emaus,	Pa.
Paul F. Bittner	Classical	Allentown,	Pa.
Adam Brucher	Philosophy	S. Bethlehem,	Pa.
Noah Coleman	Special	Allentown,	Pa.
Edward Collum	Scientific	Allentown,	Pa.
Mahlon F. Cope	Classical	Benjamin,	Pa.
Eugene R. DeLong	Scientific	Geigers Mills,	Pa.
J. Frank DeNobriga	Classical	New York	City
Herman A. Dimmick	Classical	Silverdale,	Pa.
J. Conrad Dirlam	Classical	Honesdale,	Pa.
Lewis S. Duble	Scientific	Alloway,	N. J.
Alfred H. Duerschner	Pre-Medical	Troy,	N. Y.
William P. Eisenbrown	Philosophy	Reading,	Pa.
Herbert D. Elvidge	Philosophy	Allentown,	Pa.
Gerhard F. Euchler	Scientific	Gilbert,	Pa.
Fred. J. Fiedler	Classical	Scranton,	Pa.
Allen S. Fisher	Classical	Bechtelsville,	Pa.
C. Russell Gaston	Scientific	Phillipsburg,	N. J.
Harvey E. Greaves	Philosophy	Catasauqua,	Pa.
Ulysses F. Grembach	Philosophy	Hazleton,	Pa.
Luther F. Hartzell	Classical	East Bangor,	Pa.
Raymond J. Heckman	Classical	Hamburg,	Pa.
Harold W. Helfrich	Philosophy	Allentown,	Pa.
Homer H. Heller	Scientific	Allentown,	Pa.
Frederick E. Henry	Scientific	Allentown,	Pa.
F. Scott Horlacker	Special	Noxen,	Pa.
Edmund L. Jones	Pre-Medical	Slatington,	Pa.

Ralph A. Keller	Classical	Perkasie, Pa.
Wellington R. Kepler	Scientific	Royersford, Pa.
Preston K. Keyser	Classical	Perkasie, Pa.
Joseph S. Kleckner	Classical	Nazareth, Pa.
John F. Kline	Classical	Allentown, Pa.
Paul E. Knecht	Classical	Allentown, Pa.
Charles P Krick	Classical	Hazelton, Pa.
W. Grattan Ladd	Classical	Wilmington, Del.
Raymond P. G. Leemhuis	Philosophy	Erie, Pa.
Raymond A. Lieby	Classical	Germansville, Pa.
David F. Longaker	Classical	Slatington, Pa.
Kehl Markley	Classical	Pennsburg, Pa.
J. Russell McKeever	Philosophy	Catasauqua, Pa.
W. Russell Mellick	Scientific	Bethlehem. Pa.
John H. Mengel	Pre-Medical	Frackville, Pa.
Ralph H. Merkel	Pre-Medical	Kutztown, Pa.
Fred Minner	Scientific	Allentown, Pa.
E. Harold Moyer	Classical	Perkasie, Pa.
Roque Munoz	Pre-Medical	San Pedro Sula, Honduras
Lloyd Musselman	Classical	Perkasie, Pa.
I. Harold Nauman	Scientific	Sellersville, Pa.
George W. Nelson	Classical	Brooklyn, N. Y.
Carl J. Newhart	Pre-Medical	Cherryville, Pa.
Grant E. Phillips	Classical	Shoemakersville,
Harry K. Rabenold	Scientific	Allentown, Pa.
Manoah R. Reiter	Classical	Red Hill, Pa.
Chester A. Rosenberger	Classical	Perkasie, Pa.
Gottfried C. Schaeffer	Classical	Dunco, Pa.
Stanley R. Shimer	Scientific	Bethlehem, Pa.
Floyd Shupp	Philosophy	Brodheadsville, Pa.
Harvey C. Snyder	Classical	Harleysville, Pa.
Russell L. Snyder	Scientific	Easton, Pa.
Charles L. Steele, Jr.	Scientific	Philadelphia, Pa.
Vernon L. Stover	Classical	Perkasie, Pa.
Amos M. Strause	Classical	Pottsville, Pa.
Joseph Stump, Jr.	Classical	Phillipsburg, N. J.
Wayne Stump	Classical	Allentown, Pa.
Morris H. Sulkin	Philosophy	Easton, Pa.
Francis E. Surran	Scientific	Phillipsburg, N. J.
Joseph B. Sussman	Classical	Allentown, Pa.
Clarence H. Swavely	Classical	Boyertown, Pa.

Andrew E. H. Tapper	Classical	Lancaster, Pa.
Eugene F. Tice	Pre-Medical	Bethlehem, Pa.
Frederick C. Troutman	Classical	Llewellyn, Pa.
Jackson R. Uhler	Chemistry	Tatamy, Pa.
Mark I. Uhler	Classical	Elizabethville, Pa.
Truman O. Walton	Pre-Medical	Bethlehem, Pa.
Henry D. Wendte	Classical	Doylestown, Pa.
Harris D. Wertman	Classical	Quakake, Pa.
Frederick H. Worsinger	Classical	Reading, Pa.
M. Leroy Wuchter	Classical	Auburn, Pa.
Walter S. Wunderly	Pre-Medical	Nazareth, Pa.
Ralph E. Zellner	Classical	New Tripoli, Pa.
Harvey E. Zinszer	Classical	Allentown, Pa.

Freshmen, 85.

SATURDAY SCHOOL FOR TEACHERS.

Estella Bernhard	Allentown, Pa.
F. M. Bock	Allentown, Pa.
Leah L. Dieter	Allentown, Pa.
A. M. Dietrich	Kutztown, Pa.
Helen Englert	Allentown, Pa.
Anna Feyrer	Allentown, Pa.
Edna M. Fink	New Tripoli, Pa.
R. P. Fister	Allentown, Pa.
May Forster	Allentown, Pa.
Mabel Fry	Allentown, Pa.
Agnes Gaffney	Allentown, Pa.
W. M. Gensler	Allentown, Pa.
A. J. Heller	Allentown, Pa.
Mildred Kemmerer	Allentown, Pa.
May Kingston	Allentown, Pa.
C. F. Kistler	Allentown, Pa.
Lyman D. Koehler	Allentown, Pa.
William Laubach	Allentown, Pa.
Anna V. McGee	Allentown, Pa.
Ethelinda Morgan	Allentown, Pa.
Hannah Pennypacker	Allentown, Pa.
Arthur P. Pickup	Allentown, Pa.
Maude Reeser	Allentown, Pa.
W. H. Schaefer	Northampton, Pa.
Albert I. Schmoyer	Allentown, Pa.
Eileen Sell	Allentown, Pa.

E. Ruth Shelling ..... Allentown, Pa.
Ella A. Shields ..... Allentown, Pa.
J. S. Stettler ..... Allentown, Pa.
Marvin B. Stetzel ..... Stettlersville, Pa.
Marvin Truchses ..... Allentown, Pa.
John D. Walbert ..... Allentown, Pa.
Catherine Weidner ..... Allentown, Pa.
Herbert H. Wentz ..... Allentown, Pa.
Fred. J. Wilt ..... Allentown, Pa.
Harry Yoder ..... Kutztown, Pa.

Saturday School 33.

SUMMARY.

Seniors	30
Juniors	39
Sophomores	57
Freshmen	85
	211
Students in Saturday school	33
Students in Preparatory school	111
	355
Name appearing twice	1
Total	354

ALUMNI.

1868.

ERNEST A. MUHLENBERG, ESQ.....Reading, Pa.
WILLIAM F. MUHLENBERG, M.D., LL.D...Reading, Pa.
REV. WILLIAM H. RICKERT..... Philadelphia, Pa.
PROF. LUTHER A. SWOPE.....Hanover, Pa.

1869.

*REV. GEORGE D. FOUST.....North Wales, Pa.
*REV. MILTON J. KRAMLICH.....Allentown, Pa.
*REV. PROF. REVERE F. WEIDNER, D.D.,
LL.D. .....Chicago, Ill.

1870.

FREDERICK W. BUTLER.....Reading, Pa.
*REV. ISAAC N. S. ERB.....Orwigsburg, Pa.
REV. PROF. WILLIAM K. FRICK, D.D..... Milwaukee, Wis.
*REV. JOHN J. KUNTZ.....Allentown, Pa.
*WILLIAM H. KUNTZ, M.D.....New Castle, Del.
REV. JOHN W. RUMPLE, PH.D.....Brooklyn, N. Y.
REV. SAMUEL A. ZIEGENFUSS, D.D.....Strassburg, Pa.

1871.

RICHARD H. BECK, M.D.....Hecktown, Pa.
*JOHN H. GARBER.....Salinas City, Cal.
*DAVID S. HOFFMAN, M. D.....San Diego, Cal.
*CHARLES H. KELLER.....Philadelphia, Pa.
*PROF. BENJAMIN F. KNERR.....South Evanston, Ill.
REV. CHARLES S. KOHLER.....Cleveland, Ohio.
EUGENE C. LOCHMAN, ESQ.....New York, N. Y.
*REV. ACHILLES J. LONG.....Stouchsburg, Pa.
*REV. JACOB H. NEIMAN.....Shillington, Pa.
REV. PROF. JEREMIAH F. OHL, MUS. DOC..Philadelphia, Pa.
REV. HIRAM PETERS, D.D.....Lewisburg, Ohio.
*REV. OLIVER P. SMITH, D.D.....Pottstown, Pa.
*REV. HENRY B. STRODACH.....Reading, Pa.
*HENRY W. WOODWARD, ESQ.....Philadelphia, Pa.

*Deceased.

1872.

Rev. William A. Beates.....Lancaster, Ohio.
*Rev. D. Levin Coleman.....Easton, Pa.
*Martin L. Fritch.....Philadelphia, Pa.
Rev. Samuel W. Kuhns.....Woodstock, Va.
*Rev. William H. Laubenstein.....Tamaqua, Pa.
Rev. Alpheus D. Potts, D.D.....Chambersburg, Pa.
Rev. Myron O. Rath.....Allentown, Pa.
*Rev. George H. Rhodes.....Gouldsboro, Pa.
*Rev. J. George Schaidt.....New Haven, W. Va
Rev. John A. Scheffer.....Allentown, Pa.
William P. Snyder.....New York, N. Y.
*Horatio R. Trexler.....Reading, Pa.
*Rev. John M. Uhrich.....Pillow, Pa.
*Rev. George T. Weibel.....Churchtown, Pa.

1873.

Rev. Prof. John A. Bauman, Ph.D.....Allentown, Pa.
*Harry P. Cooper.....Emaus, Pa.
Rev. Jesse S. Erb.....Slatington, Pa.
*Frank C. Erdman, M.D.....Centre Valley, Pa.
Rev. Prof. G. H. Gerberding, D.D.....Chicago, Ill.
Oscar S. Grim.....Allentown, Pa.
Howard Himmelwright.....Tyrone, Pa.
*Rev. Charles J. Hirzel .....Philadelphia, Pa.
*Charles B. Keller .....Lancaster, Pa.
Hon. George F. Kribbs.....Kissimmee, Fla.
Rev. George G. Kunkle.....Cherryville, Pa.
Oscar Meyer.....Chicago, Ill.
Rev. William H. Myers.....Reading, Pa.
*Rev. John Nicum, D.D.....Rochester, N. Y.
Rev. Asher P. Pflueger.....Ringtown, Pa.
Prof. Francis D. Raub.....Allentown, Pa.
Rev. D. Luther Roth, D.D.....Girard, Pa.
Rev. Luther M. C. Weicksel.....Renovo, Pa.
*Rev. Julius A. J. Zahn.....Greenville, Pa.

1874.

Rev. James L. Becker, D.D.....Lansdale, Pa.
*Albert J. Erdman, Esq.....Allentown, Pa.
Rev. Asa E. Erdman.....Nazareth, Pa.
*David F. Eyster, Esq.....Camp Hill, Pa.

HON. MILTON C. HENNINGER.....Allentown, Pa.
OSCAR E. HOLMAN, ESQ.....St. Paul, Minn.
*HON. MARCUS C. L. KLINE.....Allentown, Pa.
*ALFRED M. KOONS, D.D.S.....Patch Creek, N. Y
MONROE T. KUNTZ, M.D.....Mulberry, Ind.
WILLIAM A. LICHTENWALLNER, ESQ.....Los Angeles, Cal.
HON. JAMES L. SCHAADT.....Allentown, Pa.
ADAM H. SCHMEHL, ESQ.....Reading, Pa.
PROF. EDGAR D. SHIMER, PH.D., LL.D.....Jamaica, N. Y.
REV. JACOB Q. UPP.....South Easton, Pa.

1875.

JOHN W. ALBRECHT.....Warren, Pa.
*WILSON S. BERLIN, M.D.....Allentown, Pa.
*REV. JONAS P. GERMAN.....Fritztown, Pa.
REV. CHARLES H. HEMSATH.....Bethlehem, Pa.
REV. NEWTON J. MILLER.....Williamsport, Pa.
*REV. WILLIAM A. PASSAVANT, JR.....Milwaukee, Wis.
EDWIN H. STINE, ESQ.....Allentown, Pa.

1876.

CHARLES H. CAMP, ESQ.....Williamsport, Pa.
*REV. HENRY T. CLYMER .....Philadelphia, Pa.
CONSTANTINE D. KIEHEL, ESQ.....Rochester, N. Y.
*REV. JEREMIAH H. KLINE.....Rochester, Pa.
*HON. FRANK E. MEILY.....Lebanon, Pa.
HENRY M. MUHLENBERG, PH.G.....Reading, Pa.
REV. SOLOMON E. OCHSENFORD, D.D. .... Bath, Pa.
JOHN M. SMELTZER.....Myerstown, Pa.
JOHN D. UHRICH, ESQ.....Grantville, Pa.

1877.

*REV. WILLIAM J. BIEBER.....Hellertown, Pa.
MICHAEL A. GRUBER.....Washington, D. C.
*JACOB H. LOSCH, ESQ.....West Point, Neb.
*REV. WILLIAM J. MILLER, D.D.....Greensburg, Pa.
REV. PROF. JOHN SANDER, L.H.D.....Lindstrom, Minn.
*REV. WILBERT P. SHANOR.....Allegheny, Pa.
GEORGE M. VANBUSKIRK, ESQ.....New York, N. Y.
REV. M. LUTHER ZWEIZIG.....Reading, Pa.

1878.

Rev. Charles L. Fry, D.D.....Philadelphia, Pa.
*Preston M. Gernet, Esq.....Bethlehem, Pa.
*Hon. Henry H. Herbst, M.D.....Allentown, Pa.
Rev. Frederick W. Kohler.....Rochester, Pa.
*Hiram P. Kuntz.....Hazleton, Pa.
Rev. D. Henry Reiter.....Quakertown, Pa.
Prof. Oliver G. J. Schaadt, Ph.D.....New York, N. Y.
*Emerson F. Schock, Esq.....Allentown, Pa.
Rev. Daniel A. Shetler.....Philadelphia, Pa.
*Rev. Prof. James D. Woodring, D.D.....Myerstown, Pa.

1879.

Rev. Carl N. Conrad, Ph.D., S.T.D.....Rochester, N. Y.
Rev. Julius W. Knapp, Ph.D.....Summit, N. J.
George D. Krause.....Lebanon, Pa.
*Edwin J. Lichtenwallner, Esq.....Allentown, Pa.
Rev. Wilson M. Rehrig, Ph.D.....Mauch Chunk, Pa.
*Hon. John K. Reinoehl, M.D.....Lebanon, Pa.
Alfred J. P. Roth.....Allentown, Pa.
*George B. Schock, Esq.....Lebanon, Pa.
*Rev. Charles S. Seaman.....Adamsburg, Pa.
Rev. George S. Seaman.....Vineland, N. J.
Hon. Frank M. Trexler, LL.D.....Allentown, Pa.
Rev. John N. Wetzler, Ph.D., D.D.....Brick Church, Pa.

1880.

Rev. James F. Beates.....St. Paul, Minn.
Prof. George T. Ettinger, Ph.D.....Allentown, Pa.
*Jonas F. Kline, Esq.....Allentown, Pa.
*Rev. J. Walker Klingler .....Tremont, Pa.
Marvin O. Koons.....Lehighton, Pa.
*Benjamin Sadtler, B.S., '83.....Denver, Col.
Robert W. Steckel.....Twin Lakes, Col.
Rev. Solomon B. Stupp.....Springfield, Ohio.
Rev. John H. Umbenhen, Ph.D.....Pottsville, Pa.
Rev. Wilson Yeisley.....Greenville, Pa.

1881.

*Thomas M. Angstadt, M.D.....Mahone Bay, N. S.
Rev. Clayton L. Holloway.....Long Beach, Cal.
*William F. Kistler.....Fort Quitman, Tex.

*David J. M. Kuntz, Esq.....Brooklyn, N. Y.
Hon. Joseph W. Mayne.....Allentown, Pa.
Rev. Luther M. McCreery.....Morrisburg, Ont.
*Rev. Oscar D. Miller.....Allentown, Pa.
*Frank H. Reinoehl.....Lebanon, Pa.
*Rev. Charles E. Sandt.....Allentown, Pa.
*J. Allen Schaadt.....Philadelphia, Pa.
Rev. Frank H. Uhrich.....Myerstown, Pa.
James T. Woodring, Esq.....South Bethlehem, Pa.

1882.

Rev. Lewis J. Bickel.....Pottstown, Pa.
Austin A. Glick, Esq.....Catasauqua, Pa.
William R. Grim, Esq.....Texarkana, Tex.
Hon. Aaron B. Hassler.....Lancaster, Pa.
*Rev. Andrew J. Heissler.....Albany, N. Y.
David R. Horne, Esq.....Allentown, Pa.
Rev. Jacob W. Lazarus.....Vinemont. Pa.
Rev. William H. Medlar.....York, Nebraska.
Rev. Edwin L. Miller.....Boston, Mass.
Noah W. Reichard, M.D.....Bangor, Pa.
*Horace Reiter.....Aten, Neb.
Rev. Robert D. Roeder.....DuBois, Pa.
Prof. Samuel C. Schmucker, Ph.D.....West Chester, Pa.
Rev. Edwin H. Smoll.....Schuylkill Haven, Pa.
Oscar J. Stine, Esq.....Catasauqua, Pa.
*Rev. Thomas M. Yundt.....Womelsdorf, Pa.
J. Henry Zweizig, Esq.....Reading, Pa.

1883.

Rev. Jacob J. G. Dubbs.....Coopersburg, Pa.
Rev. John J. Foust.....Rockville Centre, N. Y.
Rev. John C. Graepp.....Krem, N. D.
Prof. M. Luther Horne.....Allentown, Pa.
Francis Kayser.....Philadelphia, Pa.
Charles E. Keck, Esq.....Wilkes-Barre, Pa.
Rev. John J. Kline, Ph.D.....Pottstown, Pa.
Dexter L. Rambo.....Chester, S. C.
Rev. Jeremiah H. Ritter.....Allentown, Pa.
Rev. Prof. Wm. A. Sadtler, Ph.D.....Baltimore, Md.
Rev. James O. Schlenker.....Kutztown, Pa.
*Rev. William F. Schoener.....South Bethlehem, Pa.

Rev. R. Morris Smith, D.D. ..... Washington, Pa.
N. Wiley Thomas, B.S., Ph.D. ..... Philadelphia, Pa.
*Irwin S. Uhler, Esq. ..... Easton, Pa.

1884.

Milton W. Bohn ..... Norfolk, Va.
*Rev. Alfred J. L. Breinig ..... Bowmanstown, Pa.
John M. Dettra, Esq. ..... Norristown, Pa.
Prof. Albert B. Erb ..... Yorktown, Tex.
Rev. William J. Finck ..... New Market, Va.
Rev. Herman C. Fox, D.D. ..... Scranton, Pa.
Rev. John J. Heissler ..... Trenton, N. J.
Rev. William D. C. Keiter, D.D. ..... Allentown, Pa.
Rev. Prof. Elmer F. Krauss, D.D. ..... Chicago, Ill.
Rev. Hiram J. Kuder ..... South Bethlehem, Pa.
Rev. James O. Leibensperger ..... South Bethlehem, Pa.
*Rev. Oscar E. Pflueger ..... Womelsdorf, Pa.
Rev. James J. Reitz ..... Walnutport, Pa.
Rev. George J. Schaeffer ..... Pitman, Pa.
Rev. George M. Scheidy, B.E. ..... Allentown, Pa.
Jacob W. Uhrich ..... Grantville, Pa.
Valentine J. Uhrich, Esq. ..... Lebanon, Pa.
Rev. Prof. C. Ernest Wagner ..... Lancaster, Pa.
Rev. Samuel G. Weiskotten, D.D. ..... Brooklyn, N. Y.
Ira Wise, B.S. ..... Allentown, Pa.
Rev. Prof. William H. Zuber ..... Chehalis, Wash.

1885.

Rev. Prof. Charles C. Boyer, Ph.D. ..... Kutztown, Pa.
*Daniel E. Brunner ..... Reading, Pa.
Rev. Frank F. Fry, D.D. ..... Rochester, N. Y.
Rev. C. F. William Hoppe, D.D. ..... Savannah, Ga.
Elmer E. Johnson, M.D. ..... Philadelphia, Pa.
Francis G. Lewis, Esq. ..... Allentown, Pa.
Rev. Robert B. Lynch ..... Kutztown, Pa.
Rev. A. Miles Mehrkam ..... Rochester, Pa.
Wilson K. Mohr, Esq. ..... Allentown, Pa.
Howard S. Seip, D.D.S. ..... Allentown, Pa.
Rev. Adam M. Weber ..... Boyertown, Pa.
Rev. William Weicksel ..... New Mayville, Pa.
Rev. Elias A. Yehl ..... Bangor, Pa.

1886.

*Forest M. Fox.....Sumneytown, Pa.
Rev. Charles W. Jefferis.....Doylestown, Pa.
Rev. Edwin F. Keever.....Utica, N. Y.
Samuel J. Kistler, Esq.....Allentown, Pa.
Prof. Elmer P. Kohler, Ph.D.....Bryn Mawr, Pa.
*Rev. Ernest T. Kretschmann, Ph.D....Anderson, Ind.
*A. Grant Loder, M.D.....Philadelphia, Pa.
Rev. John F. Nicholas, D.D.....Haddon Heights, N. J
Samuel N. Potteiger, Esq.....Reading, Pa.
George A. Prediger, Esq.....Pittsfield, Mass.
Elmer O. Reyer, Esq.....Northampton, Pa.
Rev. Nelson F. Schmidt.....Schwenksville, Pa.
J. Jeremiah Snyder, Esq.....Allentown, Pa.
Rev. John H. Waidelich.....Sellersville, Pa.
Rev. Henry W. Warmkessel.....Reading, Pa.
*Harry K. Weaver.....New Holland, Pa.

1887.

Rev. James R. Brown.....Reading, Pa.
Raymond E. Butz, M.D.....York, Pa.
Reuben J. Butz, Esq.....Allentown, Pa.
Preston R. Dry.....Reading, Pa.
*Rev. Tilghman F. German.....Philadelphia, Pa.
Milton J. Kuehner.....Allentown, Pa.
Rev. Wm. W. Kramlich.....Freemansburg, Pa.
Prof. George A. Miller, Ph.D.....Urbana, Ill.
Rev. John W. Richards.....Philadelphia, Pa.
*Clinton J. Schadt, M.D.....New York, N. Y.
Rev. George E. Schettler.....Clarence Center, N. Y.
*Rev. Frank M. Seip.....Allentown, Pa.

1888.

Rev. William F. Bond.....Shamrock, Pa.
Rev. Charles D. Clauss.....Hammonton, N. J.
Rev. Clinton R. Fetter.....Telford, Pa.
Rev. George Gebert, D.D.....Tamaqua, Pa.
Rev. David G. Gerberich.....Prospect, Pa.
*Alfred W. Kistler.....Kempton, Pa.
Rev. James F. Lambert.....Catasauqua, Pa.

Ralph Metzger, Esq.....Allentown, Pa.
Rev. Edward F. Ritter.....Lancaster, O.
Henry F. Schantz, M.D.....Reading, Pa.
Rev. Oscar S. Scheirer.....Girardville, Pa.
George R. Ulrich, D.D.S.....Philadelphia, Pa.
Rev. John M. Wenrich.....Wapakoneta, O.

1889.

Rev. Ernest M. Grahn.....Albany, N. Y.
J. Wyllis Hassler, M.D.....New York, N. Y.
*Rev. John B. Heil.....Germansville, Pa.
Rev. John W. Horine, D.D. .....Columbia, S. C.
Rev. Preston A. Laury.....Waterloo, Ont.
Rev. Elmer O. Leopold.....Allentown, Pa.
Rev. Frank C. Oberly.....Greenville, Pa.
Rev. John H. Raker.....Allentown, Pa.

1890.

Albert J. Bittner, M.D.....Allentown, Pa.
Rev. William O. Fegely.....Trappe, Pa.
David J. Gimlich.....Pittsfield, Mass.
*Alfred K. Keck.....White Haven, Pa.
Rev. George S. Kleckner.....Nazareth, Pa.
Rev. Irwin B. Kurtz, D.D.....Pottstown, Pa.
Evan B. Lewis, LL.B.....Philadelphia, Pa.
Rev. Jacob H. Longacre.....Slatington, Pa.
Nathan D. Martin.....Allentown, Pa.
Rev. Nevin E. Miller.....Phœnixville, Pa.
Henry F. Pflueger, M.D.....Philadelphia, Pa.
Rev. J. Charles Rausch.....Allentown, Pa.
Rev. Irwin B. Ritter.....Allentown, Pa.
John F. Saeger.....Allentown, Pa.
Martin G. Schaeffer, Esq.....Lancaster, Pa.
Ira E. Seidle, Esq.....Lehighton, Pa.
Harry S. Snyder, M.D.....Allentown, Pa.
Rev. Samuel J. Ulrich.....Burnham, Pa.
Samuel R. Weaver, Esq.....Lancaster, Pa.
Rev. James B. Werner.....Stamford, Conn.
John J. Yingling.....Allentown, Pa.
*Hon. Alfred J. Yost, M.D.....Allentown, Pa.

1891.

REUBEN H. BACHMAN.....Edenton, N. C.
REV. MILTON J. BIEBER.....Montreal, Canada.
REV. GEORGE S. BUTZ, PH.D.....Littlestown, Pa.
WILLIAM H. COOPER, M.D.....Oakmont, Pa.
PROF. MARTIN S. HARTING.....Allentown, Pa.
HENRY H. HOWER.....Danielsville, Pa.
CHESTER F. KIEHEL, ESQ.....Rochester, N. Y.
REV. WILLIAM W. KISTLER.....Coopersburg, Pa.
EDWIN D. MEIXELL.....Cressona, Pa.
REV. HARRISON E. MOYER.....Aquashicola, Pa.
*PROF. PRESTON P. RODENBERGER.....Charles City, Iowa.
REV. WILLIAM P. SACHS.....St. Louis, Mo.
REV. HIRAM F. J. SENEKER.....Pottstown, Pa.
JOSEPH P. SHIMER.....Allentown, Pa.
REV. CHARLES C. SNYDER.....Quakertown, Pa.
REV. C. WILLIAM T. STRASSER.....Stroudsburg, Pa.
MAJOR THOMAS L. RHOADS, M.D., ...Washington, D. C.

1892.

CLARENCE BECK, ESQ.....Easton, Pa.
OSCAR F. BERNHEIM.....Allentown, Pa.
REV. ULYSSES S. G. BERTOLET.....Philadelphia, Pa.
REV. EDWIN M. BEYSHER..... ayre, Pa.
HARVEY P. BUTZ.....Seattle, Wash.
REV. FREDERICK DOERR.....Wilmington, Del.
PROF. J. RICHMOND MERKEL.....Kingston, Pa.
REV. ADAM L. RAMER, PH.D..... Allentown, Pa.
REV. H. BRANSON RICHARDS.....Lebanon, Pa.
REV. CHARLES G. SPIEKER.....Scranton, Pa.
FREDERICK W. SPIEKER, D.D.S.....Portland, Ore.
REV. ISAAC H. STETLER.....Fultonham, O.
REV. EDWARD H. TRAFFORD.....Brooklyn, N. Y.
PAUL S. ULRICH.....Lebanon, Pa.
*LEO WISE, ESQ.....Allentown, Pa.

1893.

RODERICK E. ALBRIGHT, M.D.....Allentown, Pa.
SAMUEL B. ANEWALT, JR.....Allentown, Pa.
WILLIAM B. BROBST.....Wallawalla, Wash.
REV. ALFRED O. EBERT.....New Tripoli, Pa.
REV. CHARLES J. GABLE.....Melrose, Pa.

Rev. George A. Kercher.....Norristown, Pa.
Edwin T. Kunkle.....Stroudsburg, Pa.
Rev. William O. Laub.....Reading, Pa.
Rev. Ambrose W. Leibensperger.....Lebanon, Pa.
Charles L. Lichtenwallner, D.D.S.....Lansdale, Pa.
Rev. Joshua H. Miller, Ph.D.....New Castle, Pa.
Edwin J. Mosser, Esq.....Chicago, Ill.
William F. Mosser.....Bethlehem, Pa.
Hon. William Rick .....Reading, Pa.
*Prof. Charles E. Roos.....New Orleans, La.
Rev. Melville B. Schmoyer.....Macungie, Pa.
Rev. P. George Sieger.....Lancaster, Pa.
Wilson G. Smoyer.....Allentown, Pa.
Rev. Eugene Stetler.....Trevorton, Pa.
Harry A. Yetter, LL.B.....Binghamton, N. Y

1894.

Rev. George D. Druckenmiller.....Hamburg, Pa.
Ira T. Erdman, Esq.....Allentown, Pa.
Max S. Erdman, Esq.....Allentown, Pa.
Malcolm W. Gross, Esq.....Allentown, Pa.
Rev. J. William H. Heintz.....Philadelphia, Pa.
Allen V. Heyl.....Allentown, Pa.
Rev. William U. Kistler.....Pennsburg, Pa.
Rev. Harry C. Kline.....Bethlehem, Pa.
Rev. Frank C. Longaker Ph.D. .....Springfield, O.
Rev. George C. Loos.....East Orange, N. J.
*Prof. William H. S. Miller.....Allentown, Pa.
David A. Miller.....Allentown, Pa.
Samuel P. Miller.....Allentown, Pa.
Rev. Warren Nickel.....Souderton, Pa.
George S. Opp, Mus. B.....Philadelphia, Pa.
*Martin L. Trexler.....Bernville, Pa.
Rev. Frederick W. Wackernagel.....Allentown, Pa.
Rev. Edwin S. Woodring.....Allentown, Pa.
Rev. Charles D. Zweier.....Sunbury, Pa.

1895.

Rev. Victor J. Bauer.....Bethlehem, Pa.
*Rev. Vitalis J. Becker.....Springfield, O.
Rev. Preston A. Behler.....Allentown, Pa.
Forley Ebert.....Millville, N. J.

Rev. Warren J. Ellis.....Greenville, Pa.
Rev. Luther D. Gable.....Brooklyn. N. Y.
Ammon A. Killian, Ph.D.....Susquehanna, Pa.
Rev. Charles E. Kistler.....Reading, Pa.
Rev. Edward H. Kistler.....Baltimore, Md.
Rev. Frederick C. Krapf.....Hershey, Pa.
Rev. Luther D. Lazarus.....West Bethlehem, Pa.
Rev. Philip A. Lentz.....Ellwood City, Pa.
Newton T. Miller.....Philadelphia, Pa.
Rev. Harry P. Miller.....Bethlehem, Pa.
Prof. John E. Sandt.....Reading, Pa.
Morris E. Schadt.....Schadts, Pa.
William J. Schmidt.....Freeland, Pa.
Rev. Elmer E. Snyder.....Easton, Pa.
Wellington J. Snyder, Esq.....Philadelphia, Pa.
Joseph H. Stopp, Esq.....Philadelphia, Pa.

1896.

Rev. William Penn Barr.....Weatherly, Pa.
Preston H. Breinig.....Egypt, Pa.
Rev. Frederick E. Cooper.....Milwaukee, Wis.
Rev. George W. Genszler.....Columbia, Pa.
Rev. George A. Greiss.....Allentown, Pa.
Prof. Samuel I. Henry.....Wyomissing, Pa.
Hon. Marcus S. Hottenstein, Esq. ...Washington, D. C.
Rev. J. Frederick Kramlich.....Royersford, Pa.
Oren R. B. Leidy, Esq.....New York, N. Y.
Rev. Milton U. Reinhard.....Allentown, Pa.
Rev. Jeremiah J. Schindel.....Allentown, Pa.
Joseph C. Slough, Esq.....Allentown, Pa.
Rev. John F. Snyder.....Reading, Pa.
George T. Spang, Esq.....Lebanon, Pa.
Rev. William A. Steinbicker.....Brooklyn, N. Y.
Rev. Marvin H. Stettler.....Reading, Pa.
Rev. S. A. Bridges Stopp.....Allentown, Pa.
Rev. Paul Z. Strodach.....Philadelphia, Pa.
Rev. Samuel G. Trexler.....Brooklyn, N. Y.
Rev. L. Domer Ulrich.....Wilkes-Barre, Pa.
Rev. William Marion Weaver.....Lunenberg, N. S.
Rev. Edgar P. Xander.....Valley View, Pa.
Prof. John M. Yetter, Pd.D.....East Stroudsburg, Pa.

1897.

*Prof. Clinton J. Everett.....Plymouth, N. C.
Rev. William H. Fehr.....Dushore, Pa.
Rev. William K. Fisher.....Reading, Pa.
Rev. Franklin K. Fretz, Ph.D.....Easton, Pa.
Alfred S. Hartzell, Esq.....Allentown, Pa
Rev. Wilmer F. Heldt.....Conyngham, Pa.
Rev. Aaron Henry Klick.....Pine Grove, Pa.
Rev. Ira W. Klick.....Strausstown, Pa.
Willard D. Kline, M.D.....Allentown, Pa.
Rev. William M. Kopenhaver.....Macungie, Pa.
Prof. George E. Kramlich.....Galveston, Texas.
George F. Kuhl.....Allentown, Pa.
Rev. Henry K. Lantz.....Shiremanstown, Pa.
Rev. Gomer B. Matthews.....St. Clair, Pa.
Rev. Christian C. Miller.....Honesdale, Pa.
Rev. Francis Miller.....Philadelphia, Pa.
Rev. Ira O. Nothstein.....Rock Island, Ill.
Jay E. Reed.....Pillow, Pa.
Rev. Archibald C. Schenck.....Philadelphia, Pa.
Rev. H. Morris Schofer.....Red Cross, Pa.
Rev. Edgar E. Sieger.....Allentown, Pa.
John F. Stine.....Allentown, Pa.
John H. Sykes.....Allentown, Pa.
Jacob A. Trexler, M.D.....Lehighton, Pa.

1898.

Rev. Charles G. Beck.....North Wales, Pa.
*Rev. William A. Bilheimer.....Youngwood, Pa.
John T. Eckert, Jr., M.D.....Allentown, Pa.
George F. Erdman.....Allentown, Pa.
John S. Fegley, Phar.D.....Allentown, Pa.
Rev. Levi F. Gruber.....Minneapolis, Minn.
Rev. Henry F. Hehl.....Philadelphia, Pa.
Rev. William S. Heist.....Scranton, Pa.
Rev. David C. Kaufman.....Emaus, Pa.
Emile J. Keuling.....Scranton, Pa.
*Rev. Edwin L. Kistler.....Sunbury, Pa.
Marvin L. Kleppinger.....Allentown, Pa.
Rev. Prof. George S. Kressley, Litt.D. Kutztown, Pa.
Edwin T. Laubach.....Catasauqua, Pa.
Rev. George I. Lenker.....Southern Pines, N. C.

Rev. Bernard Repass.....Charleston, S. C.
Rev. Will E. Steckel.....Doylestown, Pa.
Rev. John K. Sullenberger.....Allentown, Pa.
John P. Walter.....Ensley, Ala.
Rev. Wesley E. Wenner.....Stone Church, Pa.

1899.

Rev. Willis Beck.....Zumbrota, Minn.
Rev. John A. Bender.....Scranton, Pa.
Rev. James Berg.....Mt. Vernon, N. Y.
Rev. Frank N. D. Buchman.....State College, Pa.
George John Case.....Hokendauqua, Pa.
Rev. D. Elmer Fetherolf.....Pillow, Pa.
Fred. A. Fetherolf, M.S., M.D.....Allentown, Pa.
Luther Warren Fritch.....Macungie, Pa.
F. Nathan Fritch.....Bethlehem, Pa.
John G. Hartley.....Philadelphia, Pa.
Hon. R. K. Hartzell, M.S., M.D.....Reno, Nev.
Wm. A. Hausman, Jr., M.S., M.D.....Allentown, Pa.
Rev. Edgar J. Heilman.....Elizabethville, Pa.
Leidy B. Heist.....Limeport, Pa.
Rev. Jonas Oscar Henry.....Topton, Pa.
Rev. Jonathan A. Klick.....Nazareth, Pa.
Rev. John W. Koch.....Allentown, Pa.
Rev. John Kopp.....Port Chester, N. Y.
Ambrose A. Kunkle.....Detroit, Mich.
Rev. Howard A. Kunkle.....Welland, Ont.
Harry R. McCullough.....Allentown, Pa.
Edward Raker, Esq.....Shamokin, Pa.
Charles H. Reagle.....Roselle, N. J.
Rev. Willoughby F. Rex.....Racine, Wis.
Rev. William J. Seiberling.....Mulberry, Ind.
Ira C. Steigerwalt.....Sittler, Pa.
Peter S. Trumbower.....Nazareth, Pa.

In the year 1914 this class installed and presented to their Alma Mater a large four-dial clock for the tower of the Administration building.

1900.

Arthur G. Beck.....Eksha, Canada.
Frederick R. Bausch, M.D.....Allentown, Pa.
Rev. Elmer D. S. Boyer.....Lafayette, Ind.
Rev. George R. Deisher.....Jonestown, Pa.
Frederick L. Erb.....Slatington, Pa.
Rev. Charles K. Fegley.....Allentown, Pa.

Rev. Arthur G. Flexer.....Shamokin, Pa.
Prof. Robert R. Fritsch.....Allentown, Pa.
Prof. Robert C. Horn.....Allentown, Pa.
Rev. William M. Horn.....New York, N. Y.
Victor J. Koch, M.S., M.D.....Nazareth, Pa.
Rev. Paul G. Krutzky.....N. Tonawanda, N. Y.
Rev. Franklin S. Kuntz.....Philadelphia, Pa.
Raymond W. Lentz.....Allentown, Pa.
Edgar C. Statler, M.D.....Allentown, Pa.
Rev. Harvey L. Straub.....Lehighton, Pa.
Rev. Lewis S. Trump.....Easton, Pa.
Abraham B. Yerger.....Basking Ridge, N. J.

1901.

Rev. Allen L. Benner.....Richmond Hill, N. Y.
Clarence Bickel.....Philadelphia, Pa.
George H. Drumheller.....Earlville, Pa.
James M. Fetherolf.....Ogden, Utah.
William P. Fetherolf.....Santa Monica, Cal.
Daniel W. Hamm, M.S.....Allentown, Pa.
Ralph E. Kline.....New York, N. Y.
Raymond H. Kressler.....Allentown, Pa.
Harry S. Landis.....Allentown, Pa.
Irwin E. Nagle.....Allentown, Pa.
George L. Raether, B.S.....Belleville, Ont.
Fred. P. Reagle.....Montclair, N. J.
Rev. George K. Rubrecht.....Milwaukee, Wis.
Percy B. Ruhe.....Allentown, Pa.
Rev. Irwin O. Schell.....Quakertown, Pa.
Herbert J. Schmoyer, M.S., M.D.....Bethlehem, Pa.
Rev. John Schofer.....Stoutsville, Ohio.
Luther Serfass.....Newcastle, Pa.
Howard E. Shimer.....Newton, N. J.
Rev. Hiram F. Sieger.....Northampton, Pa.
Rev. Edward J. Wackernagel.....Toledo, Ohio.
Rev. S. Martin Wenrich.....East Bangor, Pa.
Rev. J. Howard Worth.....Pittsburgh, Pa.
Thomas McH. Yoder, B.S.....New York City.

1902.

Rev. Allen R. Appel.....Northampton, Pa.
Charles C. Bachman.....Northampton, Pa.

EFENGER A. BARTHOLOMEW.....Philadelphia, Pa.
REV. WALTER C. BECK.....Warren, Pa.
H. PHILEMON BRUNNER.....Reading, Pa.
*REV. GEORGE S. FEGELY.....Souderton, Pa.
J. RALPHUS FREED, ESQ.....Doylestown, Pa.
REV. WILLIAM H. GABLE.....Racine, Wis.
WARREN GEIGER.....Norristown, Pa.
CHARLES L. H. GLASE.....Oley, Pa.
REV. MATTHIAS R. HEILIG.....Dansville, N. Y.
LEWIS A. INK.....Duluth, Minn.
REV. JACOB S. KISTLER.....East Stroudsburg, Pa.
PROF. QUINCY A. KUEHNER, Ph.D.....Tamaqua, Pa.
REV. ANSON W. LINDENMUTH.....Allentown, Pa.
THEODORE L. LINDENSTRUTH.....Wilkes-Barre, Pa.
RUSSEL B. LYNN, B.S., M.D.....Elmira, N. Y.
MOULTON E. MCFETRIDGE.....Allentown, Pa.
WILLIAM M. D. MILLER, B.S.....Columbia, Pa.
REV. SAMUEL E. MOYER.....Friedensburg, Pa.
LAWRENCE H. RUPP, ESQ.....Allentown, Pa.
REV. JACOB F. SCHOLL.....West Newton, Pa.
REV. FRANK M. UHRICH.....Philadelphia, Pa.
REV. JOSEPH L. WEISLEY.....Forty Fort, Pa.
*JOHN M. WOODRING, B.S.....Allentown, Pa.
CLINTON ZERWECK.....Newark, N. J.

1903.

HARRY E. BARNDT.....Sellersville, Pa.
REV. OLIVER R. BITTNER.....Grantville, Pa.
REV. FRANK CROMAN.....Elizabethtown, Pa.
REV. FRANKLIN T. ESTERLY.....Mahanoy City, Pa.
JOHN B. GEISINGER.....DuBois, Pa.
PROF. JACOB D. HEILMAN, PH.D.....Greeley, Col.
REV. ERWIN R. JAXHEIMER.....Woodhaven, N. Y.
REV. ROGER C. KAUFMAN.....Woodstock, Ill.
EDWIN K. KLINE, ESQ.....Allentown, Pa.
REV. MELVIN A. KURTZ.....Boyertown, Pa.
EDWARD G. LEEFELDT.....Trenton, N. J.
R. LORENTZ MILLER.....Emaus, Pa.
REV. PAUL J. NEFF.....Easton, Pa.
*H. E. ORFF.....Reading, Pa.
REV. AUGUSTUS W. ROHRIG.....Hazleton, Pa.
WILLIAM H. B. ROTH.....Reading, Pa.
REV. ROBERT SCHLOTTER.....Perth Amboy, N. J.

IRVIN M. SHALTER.....Allentown, Pa.
HARRY W. SHIMER.....Woodstown, N. J
REV. ARTHUR L. SMITH.....Ricketts, Pa.
GEORGE W. SPECHT.....Hokendauqua, Pa.
REV. C. DANIEL TREXLER.....Brooklyn, N. Y.
JOSEPH M. WEAVER, B.S., M.D.....Allentown, Pa.
CHARLES W. WEBB, ESQ.....Allentown, Pa.
MERVIN J. WERTMAN.....Orefield, Pa.
REV. ORLANDO S. YERGER.....Brooklyn, N. Y.
REV. ALVIN E. YOUSE.....Myerstown, Pa.

1904.

WARREN F. ACKER.....Allentown, Pa.
REV. MARK L. BURGER.....Reading, Pa.
REV. LAWRENCE G. DEILY.....Toledo, Ohio.
FRANK B. DENNIS.....Nazareth, Pa.
REV. MILTON M. DRY.....Nazareth, Pa.
ELLIS W. ERNEY.....New Waterford, O.
REV. JOHN C. FISHER.....Brooklyn, N. Y.
HANS S. GARDNER.....Dante, Va.
BENTON W. H. GOLDSMITH.....Catasauqua, Pa.
LAWRENCE GRIESEMER.....New York, N. Y.
CHARLES A. HAINES.....Slatington, Pa.
EUGENE M. HANDWERK.....Germansville, Pa.
REV. WALTER J. HUNTSINGER.....Marietta, Pa.
WILLIAM H. KEBOCH.....Cetronia, Pa.
REV. J. FRANKLIN KELLER.....Fogelsville, Pa.
WILLIAM R. KLECKNER.....Cementon, Pa.
PETER W. LEISENRING.....Allentown, Pa.
REV. LAWRENCE R. MILLER.....West Leesport, Pa.
REV. FRANCIS E. REICHARD.....Packerton, Pa.
STILLE A. RENTZHEIMER, B.S.....Hellertown, Pa.
REV. GEORGE H. RHODES.....Rural Retreat, Va.
REV. HORACE B. RITTER.....Hellertown, Pa.
REV. NORMAN Y. RITTER.....Quakertown, Pa.
GEORGE W. SHERER.....Allentown, Pa.
CHARLES A. SMITH.....New York, N. Y.
REV. DANIEL I. SULTZBACH.....Philadelphia, Pa.
REV. MARTIN J. SWANK.....St. Johns, Pa.
ARTHUR L. WUCHTER.....Allentown, Pa.

1905.

DALLAS H. BASTIAN.....Philadelphia, Pa.
REV. CHARLES H. BOHNER.....Atlantic City, N. J.
REV. WIRT A. DRIES.....Wind Gap, Pa.
HERBERT F. GERNERT, B.S.....Trexlertown, Pa.
GEORGE E. K. GUTH.....Allentown, Pa.
REV. CHARLES G. HEFFNER.....Mohnton, Pa.
JOHN J. HEILMAN.....Walberts, Pa.
REV. CLARENCE E. KEISER.....New Haven, Conn.
REV. I. HOWARD KERN, S.T.D. .....Frackville, Pa.
REV. HARVEY S. KIDD.....Womelsdorf, Pa.
REV. WILLIAM H. KLINE.....Topton, Pa.
JOHN J. MARCKS.....Wescoesville, Pa.
CHARLES W. REINERT.....Coplay, Pa.
REV. FRANK H. REITER.....Philadelphia, Pa.
ROBERT K. ROSENBERGER, B.S., M.D.....Schenectady, N. Y.
CLAUDE G. SHANKWEILER.....Allentown, Pa.
REV. SVEN O. SIGMOND.....Brooklyn, N. Y.
*J. R. TALLMAN.....Pottsville, Pa.
REV. G. LUTHER WEIBEL.....Leacock, Pa.

1906.

REV. THOMAS H. BACHMAN.....Neffs, Pa.
PRESTON A. BARBA, PH.D.....Bloomington. Ind.
WARREN E. BITTNER.....Allentown, Pa.
REV. JOHN D. M. BROWN.....Allentown, Pa.
*HARRY J. BUTZ, B.S.....Breinigsville, Pa.
REV. WILLIAM S. DRY.....Stouchsburg, Pa.
*EARLE T. HENNINGER.....Eckert, Pa.
CLAUDE O. HOFFMAN.....New York, N. Y.
REV. AUGUST C. KARKAU.....Freeport, N. Y.
REV. HOWARD H. KRAUSS.....Auburn, Pa.
BRYAN W. LAROS, B. S.....Allentown, Pa.
REV. G. JOSEPH MULLER.....Brooklyn, N. Y.
LUTHER A. PFLUEGER.....Valparaiso, Ind.
REV. FREDERICK A. REITER.....Leechburg, Pa.
J. LUTHER REITER.....Allentown, Pa
REV. BENJAMIN L. ROMBERGER.....Allentown, Pa.
MILTON H. N. RITTER.....Macungie, Pa.
REV. CHARLES E. RUDY.....Frackville, Pa.
REV. JOHN W. B. SCHANTZ.....Schwenksville, Pa.
JOHN S. SCHNELLER, M.D.....Catasauqua, Pa.
REV. LEIDY B. STERNER.....Weissport, Pa.

1907.

Rev. Jacob W. Bittner.....Kutztown, Pa.
Solomon J. Boyer.....Allentown, Pa.
Rev. Charles F. Dapp.....Spring City, Pa.
Rev. Willis F Deibert.....Birdsboro, Pa.
Charles W. Ettinger.....Allentown, Pa.
Rev. Ambrose Hering .....Pittsburgh, Pa.
Rev. Edward T. Horn, Jr.....Kumamoto, Japan.
Harold E. Kuhns.....Egypt, Pa.
Rev. William H. C. Lauer.....Summit Hill, Pa.
Harold K. Marks.....Allentown, Pa.
Russell C. Mauch.....Hellertown, Pa.
Rev. Arthur T. Michler.....Philadelphia, Pa.
Oliver W. Nickum.....Allentown, Pa.
Walter E. Schock.....Philadelphia, Pa.
J. Myron Shimer.....Allentown, Pa.
Elmer B. Ulrich, B.S., Ph.D.....Philadelphia, Pa.

1908.

James W. Anthony.....New York, N. Y.
Sem G. Beck, B.S., M.D.....Hecktown, Pa.
Rev. Fred. L. Coleman.....Rajahmundry, India.
Charles T. Jacks.....Allentown, Pa.
Rev. A. Charles R. Keiter.....Wildwood, N. J.
Rev. Morris W. Krause.....Hegins, Pa.
George Kuhl, Esq. .....Allentown, Pa.
Frank H. Marsh.....Allentown, Pa.
Rev. Howard S. Paules.....Perkasie, Pa.
*Rev. Paul H. Rudh.....Freeburg, Pa.
Ralph H. Schatz, Esq.....Allentown, Pa.
Rev. Harry L. Y. Seyler.....Elizabeth, N. J.
Rev. Alfred M. Stump.....Easton, Pa.
Rev. Herbert A. Weaver.....Spring City Pa.

1909.

Rev. John S. Albert.....Minneapolis, Minn.
Warren M. Beidler.....Great Bend, Pa.
James H. S. Bossard, A.M. .....Allentown, Pa.
Allen W. Butz.....Allentown, Pa.
Rev. Floyd L. Eichner.....Stroudsburg. Pa.
Albert C. H. Fasig, M.S. .....Allentown, Pa.
J. Warren Fritsch.....Allentown, Pa.
Rev. Dallas F. Green.....Siegfried, Pa.
Benjamin L. Grossman.....Rosenhayn, N. J.
Rev. Walter A. Hauser.....Selinsgrove, Pa.
Rev. Rufus E. Kern.....Marion, Va.
Charles A. Laubach.....Nazareth, Pa.
Frederick A. Marcks..... Nazareth, Pa.
Charles McCormick .....Baltimore, Md.
Henry R. Mueller.....Allentown, Pa.
Rev. Edgar V. Nonamaker.....New Germany, N. S.
Paul M. Reed.....Reading, Pa.
Ralph R. Rudolph.....Portland, Ore.
Roger R. Rupp, M.D.....Coplay, Pa.
J. Calvin Schuger.....Philadelphia, Pa.
John G. Schumaker.....Hopewell, N. J.
William B. Shelly.....Quakertown, Pa
Harold W. Shoenberger.....State College, Pa.
Jesse L. Stetler..... Wyomissing, Pa.
Rev. Herman D. Whitteker.....Derry, Pa.
Rev. Peter Wohlsen .....Wilkes-Barre, Pa.
Warren A. Ziegenfus .....Allentown, Pa.

1910.

John M. Aberly.....Newbern, N. C.
Austin H. S. Ernst.....Easton, Pa.
Geary E. Everett.....Safford, Ariz.
G. Howard Gelsinger.....
Clayton C. Gernert.....Freemansburg, Pa.
Rev. John Hassler.....Elmira, N. Y.
Jacob H. Horn.....Saddle River, N. J.
Rev. Paul P. Huyett.....Berrysburg, Pa.
Martin S. Kleckner, M.D. .....Allentown, Pa.
Rev. Elbert E. Landis.....Lancaster, Pa.
Rev. Curtis A. Miller.....Washingtonville, Pa.
Rev. Karl L. Reisner.....Philadelphia, Pa.

Rev. Arthur H. Schmoyer.....Weehawken, N. J.
Rev. George H. Shiery.....Millersville, Pa.
Asher H. Shupp.....Greenville, Pa.
Roy F. Shupp.....Newbern. N. C.
Kotaro Tanaka.....Tokyo, Japan.
Robert R. Urich.....Bethlehem, Pa.
Leon F. Werley.....Emaus, Pa.
Josiah A. Werner.....Hegins, Pa.
Rev. Nathan B. Y. Yerger.....Rohrerstown, Pa.

1911.

Raymond R. Ammarell.....Racine, Wis.
Rev. Philip S. Barringer.....Philadelphia, Pa.
John E. Bauman.....Allentown, Pa.
John H. Bieber.....Kutztown, Pa.
William E. Brandt.....Philadelphia, Pa.
Rev. Arthur N. Butz.....Cornwall-on-Hudson, N. Y.
Warren L. Eberts.....Wilkinsburg, Pa.
Rev. Charles L. Grant.....St. Paul, Minn.
John E. Hartzell.....Allentown, Pa.
Robert E. Kline.....Allentown, Pa.
Edgar S. Lawall.....Catasauqua, Pa.
Harvey R. Miller.....Allentown, Pa.
Roger R. Rentschler.....Hamburg, Pa.
Francis H. Smith.....Philadelphia, Pa.
Harry G. Stuart.....Paterson, N. J.
Rev. Paul C. Weber.....Macon, Ga.
Rev. Paul B. Wolper.....Philadelphia, Pa.
Frederick C. Wunder.....Rochester, N. Y.

1912.

Henry J. Althenn.....Pennington, N. J.
Henry J. Brobst.....Mahanoy City, Pa.
Walter W. Brossman.....New Kensington, Pa.
Langhorne W. Fink.....Hamburg, Pa.
Herbert B. Frederick.....Allentown, Pa.
James F. Henninger.....Allentown, Pa.
Samuel J. Henry.....Blairstown, N. J.
Clarence C. Hummel.....Catasauqua, Pa.
Paul DeB. Keever.....Utica. N. Y.
Robert G. Kleckner.....Allentown, Pa.

JOHN R. KLINE ..... Quakertown, Pa.
PAUL H. KRAUSS ..... Chicago, Ill.
ROWLAND W. LEIBY ..... Ithaca, N. Y.
ADAM F. MILLER ..... Lebanon, Pa.
ERNEST J. REITER ..... Lancaster, Pa.
EDGAR O. REITZ ..... Pen Argyl, Pa.
WALTER M. RENTSCHLER ..... Pottsville, Pa.
JACOB S. SAVACOOL ..... Sellersville, Pa.
JAMES B. SCHOCK ..... Hamburg, Pa.
HENRY B. SHELLY ..... Quakertown, Pa.
CLARENCE M. SNYDER ..... Sellersville, Pa
GEORGE P. STUMP ..... Allentown, Pa.
CLARENCE C. TROXELL ..... Cementon, Pa.
LUTHER F. WAIDELICH ..... Sellersville, Pa.
HARRY M. WERTZ ..... Reading, Pa.

1913.

PHARES G. BEER ..... Perkasie, Pa.
GEORGE W. BIXLER ..... Easton, Pa.
FRANK H. BLATT ..... Berne, Pa.
WILLIAM G. BOWSHER ..... Chester, Pa.
FRED. P. BUTZ ..... Allentown, Pa.
HARRY C. CRESSMAN ..... White Haven, Pa.
ELMER R. DEIBERT ..... Orwigsburg, Pa.
WILLIAM F. DREHS ..... North Wales, Pa.
CHARLES H. ESSER ..... Kutztown, Pa.
SAMUEL S. FOX ..... Glassboro, N. J.
DAVID H. FREDERICK ..... Reading, Pa.
WALTER E. GROFF ..... Flatbush, N. Y.
ROBERT T. HUTCHINSON ..... South Bethlehem, Pa.
WILLIAM L. KATZ ..... Philadelphia, Pa.
CHARLES E. KEIM ..... Nazareth, Pa.
ALVIN F. KEMP ..... Mertztown, Pa.
WALLACE R. KNERR ..... Red Hill, Pa.
EDGAR W. KOHLER ..... Bath, Pa.
ROBERT H. KRAUSS ..... East Greenville, Pa.
EARL G. LOSER ..... Pennington, N. J.
PAUL LOSER ..... Bay Shore, N. Y.
JOHN I. MECK ..... Philadelphia, Pa.
WM. H. POMP ..... Harrisburg, Pa.
CHRISTOPHER J. QUINN ..... Paterson, N. J.
CONRAD J. M. RAKER ..... Shamokin, Pa.

MATTHIAS H. RICHARDS ..... Allentown, Pa.
THEODORE J. RITTER ..... Allentown, Pa.
LUTHER B. SCHEEHL ..... Utica, N. Y.
W. CLARENCE SCHLEGEL ..... Shamokin, Pa.
J. CONRAD SEEGERS ..... Allentown, Pa.
QUINTIN W. STAUFFER ..... Salem, W. Va.
CARL G. TOEBKE ..... Brooklyn, N. Y.
HENRY A. WACKER ..... New York City.
JOHN WENNER ..... New Haven, Conn.

In 1913 this class erected and presented as a parting gift to their Alma Mater a 100-foot Oregon pine flag pole, and a large American flag for same.

1914

ELMER H. BAUSCH ..... Lynnville, Pa.
RALPH H. BIEBER ..... Allentown, Pa.
DAVID H. BUCKS ..... Leola, Pa.
DAVID S. COOK ..... Spring City, Pa.
EDGAR CROUTHAMEL ..... Perkasie, Pa.
ARTHUR S. DEIBERT ..... Schnecksville, Pa.
GEORGE A. EICHLER ..... Mauch Chunk, Pa.
JOHN L. EISENHARD ..... Cementon, Pa.
MARTIN D. FETHEROLF ..... Pottstown, Pa.
JAMES R. FLEXER ..... Allentown, Pa.
HENRY J. FRY ..... Philadelphia, Pa.
CHARLES A. GEBERT ..... Tamaqua, Pa.
ARTHUR P. GRAMMES ..... Fogelsville, Pa.
WILLIAM J. HEILMAN ..... Kutztown, Pa.
FREDERICK A. HEUER ..... Philadelphia, Pa.
CLARENCE F. HOEHLE ..... Rittersville, Pa.
CHRISTIAN P. JENSEN ..... Utica, Pa.
ELMER S. KIDD ..... Bath, Pa.
ELMER L. LEISEY ..... Denver, Pa.
WALTER W. MOCK ..... Allentown, Pa.
HERMAN H. NENOW ..... Allentown, Pa.
T. ERNEST ORR ..... Phillipsburg, N. J.
WARREN C. PHILLIPS ..... Shoemakersville, Pa.
CHARLES F. SEIDEL ..... Allentown, Pa.
HARVEY T. SELL ..... Schnecksville, Pa.
ALBERT H. SKEAN ..... New York, N. Y.
REV. PAUL V. TAYLOR ..... Reading, Pa.
ELWOOD J. UNANGST ..... Nazareth, Pa.
HARRY S. ZIEMER ..... Adamstown, Pa.

As a parting gift to their Alma Mater, this class placed in the tower of the Administration Building a large bell metal tube and the striking attachments to the clock.

ALLENTOWN PREPARATORY SCHOOL.

Formerly Academic Department of Muhlenberg College.

PREPARATORY SCHOOL BOARD.

(ALSO MEMBERS OF THE CENTRAL EXECUTIVE COMMITTEE.)

REV. A. STEIMLE, Allentown, Pa.
REV. W. D. C. KEITER, D.D., Allentown, Pa.
D. D. FRITCH, M.D., Macungie, Pa.

FACULTY, 1915-1916

FRANK G. SIGMAN, A.M., *Principal*
Mathematics

IRVIN M. SHALTER, A.M., *Assistant Principal*
Modern Languages and Mathematics

HOWARD W. FIELDS, C.E.,
Science and Mathematics

ALBERT D. MCILHANEY,
Business Department

J. CONRAD SEEGERS, A.B.,
English

MATTHIAS H. RICHARDS, A.B.,
History, Geography

GEORGE P. STUMP, A.B.,
Latin and Greek

MRS. FRANK G. SIGMAN, *Matron*

WILLIAM A. HAUSMAN, M.S., M.D.
Visiting Physician

LOCATION

While at the present time the Allentown Preparatory School is located in the building formerly occupied by Muhlenberg College, at Fourth and Walnut streets, it is planned to move about the first of September, 1914, into the new buildings, now in course of erection adjoining the campus of Muhlenberg College.

DESCRIPTION

These buildings are planned to meet the modern requirements of education preparatory to college.

In addition to ten commodious class rooms, provision is made for a study hall, an auditorium, a gymnasium, a chemical laboratory, physical laboratory, library, and locker rooms. Two floors will be devoted to dormitory rooms, well-lighted and heated. The sanitary arrangements are to be entirely modern.

The buildings are as near fire-proof as they can be made, with fire walls throughout and fire towers at each end.

AUDITORIUM AND GYMNASIUM

The auditorium will seat several hundred and will be used for chapel exercises, lectures, musicals, and school entertainments.

The gymnasium will be thoroughly equipped for the purpose intended. It is long, wide and high enough for regulation basket ball. Lockers and shower baths in abundance adjoin the gymnasium. As all the good of school is not to be had from books, attendance at the regular drills in the gymnasium is compulsory.

The school has football, baseball, basket ball, and track teams. Class games are encouraged, so that as many as possible may get the good that is to be derived therefrom.

ATHLETIC FIELDS

The new Allentown Preparatory School is to have its own campus of fifteen acres, the gift of Chas. F. Mosser, of

Allentown. Here will be located its baseball diamond, and football field, tennis courts, and track.

FOUR YEAR COURSE OF STUDY

The course of study has recently been revised to meet the entrance requirements of the best colleges and technical schools. In the classics, in mathematics, in English, in science, in history, the course will compare with the best in the land. Not merely this, but the different subjects have been correlated to bring the best results. The certificate of the school is accepted by Muhlenberg, Lehigh, Lafayette, Penn State, University of Pennsylvania, Bucknell, and many others.

SCHOOL YEAR AND FEES

The year is divided into three terms. Payments are by the term and due at the beginning of each term. The tuition fee for day students is $25.00 per term, and the minimum fee for boarding students is $260.00 per year, depending upon the location of dormitory rooms. This fee includes —besides tuition—board, room, light, heat, and laundry within certain limits. There is an athletic fee of $5.00, and a fee for use of materials and apparatus in the laboratories.

THE SCHOOL DAY

Recitations at present begin at eight o'clock and extend until one o'clock, but different arrangements may be found advisable in the new school. Afternoon periods are used as they are found necessary. The study period in the evening is for boarding students and for those day students whose parents wish them to attend to get the benefit of the individual instruction given by the teacher in charge. Those schools which have no study period are notably deficient in scholarship. Too much time is lost by the student when his study is not guided by one who knows.

Each student is furnished with a single bed, mattress, pillow, table, chair, and mirror, but he is expected to furnish his own rugs and bed clothing.

SUB-PREPARATORY DEPARTMENT

For boys who are not yet ready for the regular four years' course, there is the sub-preparatory department, which is kept separate from the main school. Since the number to be accommodated in this way is not large, there is great opportunity for individual instruction and thus for thoroughness. The subjects taught here are those of the common school, arithmetic, history, grammar, geography, spelling, reading, penmanship and physiology.

SUMMER SCHOOL

During the summer months the Allentown Preparatory School conducts a summer session of seven weeks for the benefit of those who have fallen back in their work, and for those who wish to advance themselves, and for teachers and others who plan to spend part of their vacation in self-improvement. The summer session of 1915 extends from June 23rd to August 8th.

STUDENTS

The following names comprise the number of students in our institution during summer session and the present year:

Francisco De Amarante	Sao Paulo, Brazil
Edwin George Arner	Summit Hill, Pa.
Paul Aaron Arner	Allentown, Pa.
Miers Backenstoe	Emaus, Pa.
Milton Slonacker Bachman	Pottstown, Pa.
Joseph Baskin	Allentown, Pa.
Carl Givens Baumgartner	Phillipsburg, Pa.
Mark Runyon Bittner	Allentown, Pa.
Harold G. Blose	Weartherly, Pa.
Karl Brown	Allentown, Pa.
Arlin J. Brownmiller	Shoemakersville, Pa.
Paul Chropuvka	Lansford, Pa.
William H. Clauser	Schnecksville, Pa.
Howard D. Clauss	Treichlers, Pa.
Robert M. Claxton	Allentown, Pa.
Frederick D. Coleman	Allentown, Pa.
Amado B. Colon	Arecibo, Porto Rico
Stanley W. Dorney	Allentown, Pa.
D. Ulam Druckenmiller	Sellersville, Pa.
Paul Fegley Ebert	New Tripoli, Pa.
Charles Bernard Ester	Philadelphia, Pa.
Paul Faska	Allentown, Pa.
Louis F. Fina	Allentown, Pa.
Alfred Fisher	Weatherly, Pa.
Paul James Fogel	Bethlehem, Pa.
Arthur Henry Freitag	Brooklyn, N. Y.
Erwin Casper Handwerk	Slatedale, Pa.
James Harrison	Camden, N. J.
Luther F. Hartzell	East Bangor, Pa.
John Havir	Dunmore, Pa.
J. Moylan Hayes	Philadelphia, Pa.
Henry C. Heintzleman	Allentown, Pa.
Paul Mennig Helfrich	Allentown, Pa.
Harry E. Herman	Elizabethville, Pa.
Earl James Hersh	Allentown, Pa.
Archie J. Higgins	Phillipsburg, Pa.
Herman Tobias Hinkel	Quakertown, Pa.

Alfred James Holman	Allentown, Pa.
Charles H. Horn, Jr.	Rittersville, Pa.
John Frederick Horn, Jr.	Rittersville, Pa.
Alfred Louis Hummel	Allentown, Pa.
Edgar Henry Iobst	Emaus, Pa.
Frederick Eugene Kahen	New York, N. Y.
Andrew Saeger Keck	Allentown, Pa.
Harold David Kehm	Allentown, Pa.
H. Stanley Kleckner	Allentown, Pa.
Arlan Luthur Kline	Bethlehem, Pa.
John Milton Kline	Allentown, Pa.
Willard J. Kline	Allentown, Pa.
Edwin Lawrence Kohler	Allentown, Pa.
Earle E. D. Krause	Allentown, Pa.
Chester William Kreis	Bethlehem, Pa.
Wilmer Sowers Kuhn	Greenlane, Pa.
Emory M. Kurtz	Allentown, Pa.
Henry Stanley Lehr	Easton, Pa.
J. Elmer Lutz	Esterly, Pa.
Edgar F. Major	Allentown, Pa.
Oliver Dewey Marks	Emaus, Pa.
Carson Willard Masters, Jr.	Allentown, Pa.
Albert Jacob Milander	Nesquehoning, Pa.
Reuben S. Moyer	Macungie, Pa.
Robert Franklin Moyer	Allentown, Pa.
William A. Moyer	Macungie, Pa.
Jose Munoz	San Pedro Sula, Honduras
Hugh J. Murtagh	Philadelphia, Pa.
Stanton E. Nadig	Allentown, Pa.
John D. Neddermann	Richmond Hill, N. Y.
Leroy Leslie Nold	Newark, N. J.
Paul William Ramer	Allentown, Pa.
Harry C. Rabenold	Allentown, Pa.
Julio O. Ramirez	Sulana, Peru.
Manuel D. Ramirez	Sulana, Peru.
Norman S. Rapoport	Allentown, Pa.
Trueman C. Reinert	Allentown, Pa.
George Martin Reinsmith	Allentown, Pa.
David Roseberry	Slatington, Pa.
William H. Ross	Allentown, Pa.
Edward A. Sabo	Garfield, N. J.

Gottfried Schaeffer	Duncott, Pa.
Charles A. Scheirer	Allentown, Pa.
Dalton F. Schwartz	Allentown, Pa.
Theodore Anewalt Seip	Allentown, Pa.
Dean Campbell Steitz	Allentown, Pa.
Morris Senderowitz	Allentown, Pa.
William G. Shane	Allentown, Pa.
Raymond G. Shankweiler	Allentown, Pa.
George Herbert Shellinc	Allentown, Pa.
Edwin Shelling	Allentown, Pa.
George Cole Shelly	Allentown, Pa.
Carl Thomas Sigman	Allentown, Pa.
Ayres Cesar Da Silva	Sao Paulo, Brazil.
Frederick Henry Simpson	Allentown, Pa.
W. J. Smith	Toledo, Ohio
George Schindel Snyder	Allentown, Pa.
Richard Shelly Snyder	Allentown, Pa.
Merrill A. Squier	Philadelphia, Pa.
Douglas Bruning Steimle	Allentown, Pa.
Earl H. J. Sterner	Allentown, Pa.
Andrew Svasko	Allentown, Pa.
Ralph Leon Swavely	Pottstown, Pa.
Burton Willis Swayze	Allentown, Pa.
Ned Ruhe Sykes	Allentown, Pa.
Marcos Trigoso	Iquitos. Peru.
Paul S. Weller	Macungie, Pa.
John Willenbecker	Allentown, Pa.
Norman Lincoln Wolf	Siegfried, Pa.
Donald Ramsey Young	Macungie, Pa.
John Zabadal	Binghampton, Pa.
Carl Zelm	Boston, Mass.
Otto Bismark Zuber	Weissport, Pa.
Carlos Zumaeta	Iquitos, Peru.

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